

# SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 25th Year  
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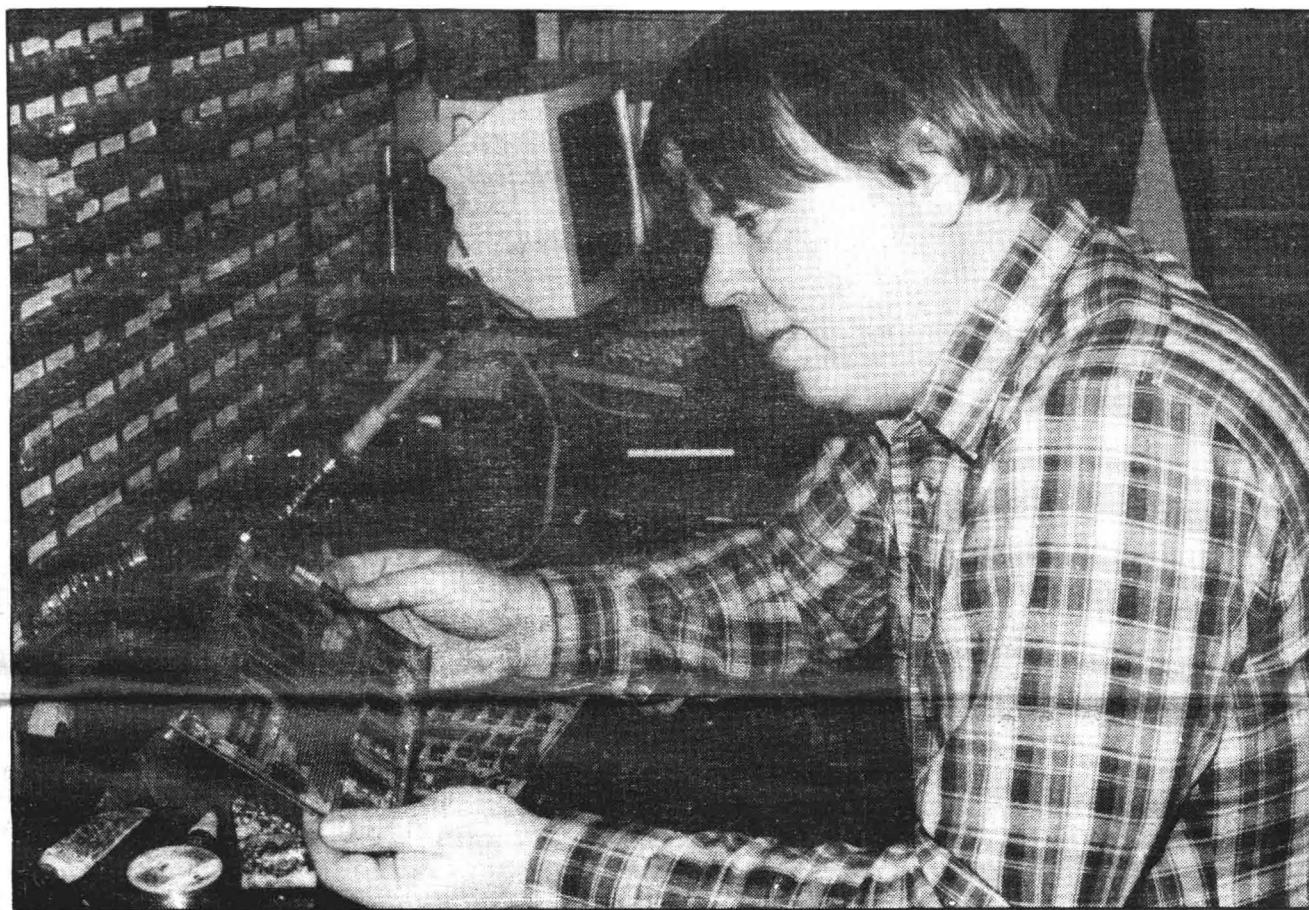
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## A Technician's Technician



Jim Paul, N9LKY, of Merrimac, WI, a technician for Merrimac Cable and Satellite, is shown inspecting a circuit board before he installs the components. Jim is active on amateur television (ATV), including retransmitting NASA video during space shuttle missions. His interest in ATV began with the Hillsboro balloon flights, some of which carried an ATV transmitter and camera, sending live pictures from more than 75,000 feet above the earth. His station location is low so his ATV coverage is limited, but he hopes to work out an ATV link to the top of those mighty Baraboo Bluffs so his ATV pictures can be seen far and wide. He also enjoys fox hunts and working amateur satellite AO-21, and is active on packet. Jim, who holds a no-code Technician ticket, says he just "has trouble" trying to get the code speed needed, but that he "is not giving up" until he gets at least full Technician status. He does a lot of short wave listening with a homebrew superhet receiver, including W1AW's code practice transmissions.

- BSSS staff photo

## ARRL Asks FCC for Lifetime Licenses

The American Radio Relay League (ARRL) on January 6, 1994, petitioned the FCC to make Amateur Radio operator licenses valid for a lifetime.

The League said in its petition that there is nothing in the Communications Act of 1934 that would prevent such a license term for amateurs, and that a lifetime operator's license would allow inactive amateurs to return to the Service at the same class of license without the necessity for retesting.

The League believes that the number of amateurs who would benefit from such a lifetime license would be "relatively substantial."

The League said that under the current 10-year license term, with a two-year grace period, it already is possible for relatively inactive amateurs to remain licensed for long periods of inactivity. There is no practical difference, the League said, between such a person and one who allows his or her license to expire and later wants to again become involved in Amateur Radio.

This proposal would apply only to operator licenses, station licenses would still, by law, be limited to 10-year terms. A person with a lifetime operator license but no station license would not be permitted to operate a station of his own (But would be permitted to operate from the station of another amateur).

The League said that nothing in this proposal should have any effect on the call sign issuance program either as it currently exists or as proposed (the "vanity" call sign program).

The League also said it was not proposing at this time to make this rule change retroactive, but, rather, to extend currently held operator licenses from 10 years to lifetime.

- ARLB003, 1/11/94

### In This Issue

## OFFICIAL RULES • 1994 WISCONSIN QSO PARTY

All Stations Welcome! • Full rules, score summary form, and sponsor's comments are on pages 7 and 8 of this issue.

The Wisconsin QSO Party is sponsored annually by the West Allis Radio Amateur Club.

### League Says "No" to Instant Licensing

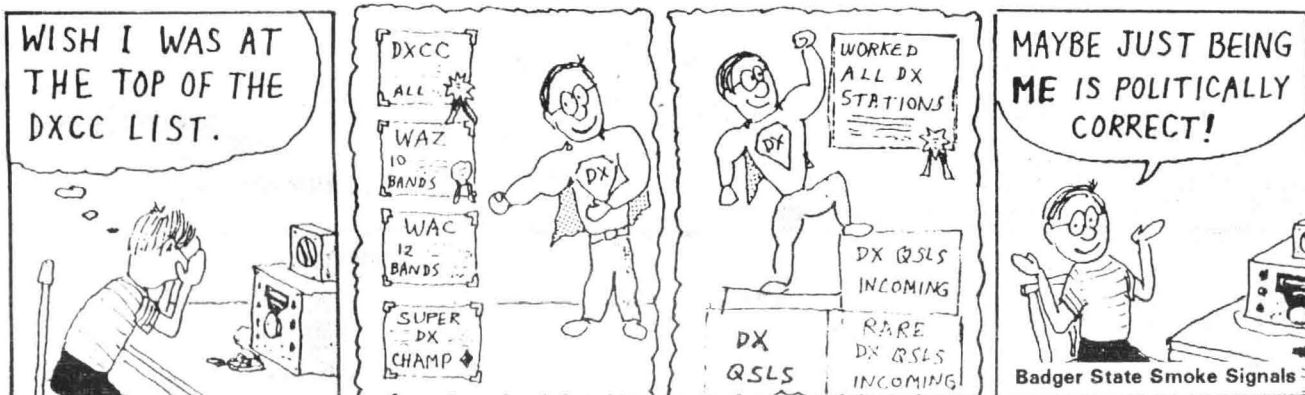
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### ELMER

By Rich Regent, K9GDF



Badger State Smoke Signals



# WHAT'S HAPPENING

✕ Swapfests and Other Social Events ✕ Club Meetings ✕ Amateur Radio Exam Schedules

EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

## Swapfests and Other Social Events

**SUNDAY, FEBRUARY 20, 1994:** Ashwaubenon High School Tech Club Swapfest, 8 a.m. until 2 p.m. at Ashwaubenon High School. VE testing, registration starts 8 a.m., testing starts 9 a.m. Vendor setup at 5 a.m. Refreshments include soda, food, and snacks. Admission \$3.00 at door. Tables \$5.00. Talkin on AHSTC repeater on 147.075, PL 107.2. VE exam info: Keith Summers, N9NOF, 918 Bluebird, DePere, WI 54115, 414-336-6087. Swapfest info: Chad Stiles, N9PAY, 2171 Barberry, Green Bay, WI 54304, 414-494-2936.

**TUESDAY, FEBRUARY 22, 1994. AUCTION.** American Legion Post 53, 634 Water St., Eau Claire, WI. For more information see ad this issue.

**SUNDAY, MARCH 20, 1994.** Jefferson, WI. Tri-county ARC Hamfest. Jefferson County Fairgrounds, Activity Center, Highway 18 Jefferson, WI. Contact TCARC, W9MQB, 213 Frederick, Fort Atkinson, WI 53538. (414) 563-6381 (evenings).

**SUNDAY MARCH 27, 1994. LAMARS-FEST** at Lake County Fairgrounds, Grayslake, IL. Contact: LAMARSFEST, 650 Green Bay Rd., Lake Bluff, IL 60044.

**SATURDAY, APRIL 9, 1994.** Rochester, MN Hamfest, John Adams Junior High School, 1525 31st St., NW, Rochester, MN. Contact: Rochester ARC, Colleen Vaneps, N0ZDY, 707 11 1/2 Street SW, Rochester, MN 55902. (507) 280-9102.

**SUNDAY, APRIL 10, 1994.** 22nd Annual MARA swapfest held at the Dane County Exposition Center Forum Building in Madison, WI. Contact MARA PO Box 8890, Madison, WI 53708-8890., or call Jim Waldorf, KB9AQQ (608) 249-7579.

**SUNDAY, APRIL 17, 1994.** Rockford, IL Hamfest and Computer Fair. Contact P.O. Box 1744 Rockford, IL 61125 (815) 399-6995.

**SUNDAY, MAY 1, 1994.** DEKALB Hamfest. Sandwich Fairgrounds, Sandwich, IL. Contact: KARC, PO Box 264, Sycamore, IL 60178.

**SUNDAY, MAY 1, 1994.** Burlington, IA Hamfest. Contact: Burlington Hamfest "94", c/o N2DUP, PO Box 911, Burlington, IA 52601-0911.

**SATURDAY, MAY 7, 1994.** The Ozaukee Radio Club will sponsor its Sixteenth Annual Cedarburg Swapfest at the Circle-B Recreation Center, Highway 60 and County I. Contact: ORC Swapfest Chairman, W70 N1018 Hampton Court, Cedarburg, WI 53012. (414) 377-7468.

**SUNDAY, MAY 22, 1994.** MAYFEST 94, at the DuPage County (IL) Fairgrounds. Contact: G.M.R>s. of Illinois, Inc., 2077 West Roosevelt Road, Wheaton, IL 60187. (708) 690-1492.

**SATURDAY, JULY 9, 1994.** South Milwaukee Swapfest at Oak Creek, WI. Contact: SMARC, P.O. Box 102, South Milwaukee, WI 53172. (414) 762-3235 ext. 58.

**SUNDAY, JULY 31, 1994.** Racine Hamfest, Racine, WI. Contact RMC, PO Box 3, Racine, WI. (414) 554-7565.

**SATURDAY, AUGUST 27, 1994.** Northwoods Amateur Radio Swapfest, at Sugar Camp Town Hall, 12 miles north of Rhinelander, WI on Highway 17. Contact: Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296.

**SEPTEMBER 17-18, 1994.** SUPERFEST, Peoria, IL.

**SATURDAY, NOVEMBER 6, 1994.** FRIENDLYFEST, Milwaukee, WI. Contact MRC, Inc. PO Box 37991, Milwaukee, WI 53237-0991.

See also the back page and flyers ads for addition information about many of the above events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to

Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

## Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the December 1993 meetings column for the latest complete listing. The following are additions or changes since that listing.

### OSHKOSH AMATEUR RADIO CLUB

The club is attempting to reestablish after 7 several years with no activity.

The first meeting will be held on Sunday, January 16, 1994 at 5:50 p.m. Third Sunday every month thereafter at 5:30 p.m. until further notice.

The meetings will be held at the Omro City Hall, on Webster Street. All Amateurs and other persons interested in radio are welcome.

For further information contact ~~RD9INE~~ (414) 233-7145.

### MADISON AREA REPEATER ASSN

Here are the meeting dates for MARA for 1994: January 10, 1994, March 14, 1994, September 12, 1994, November 14, 1994

### YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)

Days rotate: Scheduled meeting dates:  
The following is the YTARC meeting schedule for 1994.

Jan. 18	Canceled due to cold weather.
Feb. 16	EC Peter Sweeney, Sauk County. Open house/classes introduction.
Mar. 17	Weather net info Computers in the ham shack.
Apr. 19	Antenna workshop. Fox Hunt antennas.
May 18	Fox Hunt
Jun. 16	Field Day & HF contesting.
Jul. 19	VHF contesting.
Aug. 17	Fox Hunt
Sep. 15	ELECTIONS
Oct. 18	ATV (amateur television).
Nov. 16	Packet radio and computers.
Dec. 15	CHRISTMAS PARTY (date subject to change)

All meetings will be at the Baraboo Civic Center, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

## Badger State Smoke Signals

### Amateur Radio Education and Information

**CHAIRMAN:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

**EDITOR:** Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

**TREASURER:** Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

**CONTRIBUTING AUTHOR:** Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

### Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the

material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

### Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

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# The Test Point



## Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

February 5, 1994	River Falls, WI
February 12, 1994	Madison
February 12, 1994	Oak Creek, WI (MRAC)
February 16, 1994	West Allis, WI (MRAC)
February 19, 1994	Milwaukee, WI (BE)
February 19, 1994	Dubuque, IA
February 26, 1994	Wauwatosa, WI MRAC)
March 12, 1994	Madison, WI
March 12, 1994	Oak Creek, WI (MRAC)
March 16, 1994	West Allis, WI (MRAC)
March 19, 1994	Appleton, WI
March 26, 1994	Wauwatosa, WI MRAC)
March 26, 1994	Menomonie, WI
April 2, 1994	River Falls, WI
April 9, 1994	Madison, WI
April 9, 1994	Oak Creek, WI (MRAC)
April 13, 1994	West Allis, WI (MRAC)
April 16, 1994	Eau Claire, WI
April 17, 1994	Rockford, IL (RARA Hamfest)
April 30, 1994	Wauwatosa, WI MRAC)
May 7, 1994	Manitowoc, WI (Lakeshore Hamfest)
May 7, 1994	Cedarburg, WI (ORC Hamfest)
May 14, 1994	Madison, WI
May 14, 1994	Oak Creek, WI (MRAC)
May 18, 1994	West Allis, WI (MRAC)
May 28, 1994	Wauwatosa, WI MRAC)
May 28, 1994	Dubuque, IA
June 4, 1994	River Falls, WI
June 11, 1994	Appleton, WI
June 11, 1994	Madison, WI
June 11, 1994	Oak Creek, WI (MRAC)
June 15, 1994	West Allis, WI (MRAC)
June 25, 1994	Wauwatosa, WI MRAC)
July 9, 1994	Madison, WI
July 9, 1994	Oak Creek, WI (MRAC)
July 9, 1994	South Milwaukee, WI (SMARC Hamfest)
July 20, 1994	West Allis, WI (MRAC)
July 22, 1994	Eau Claire, WI (ECARC Hamfest)
July 23, 1994	Eau Claire, WI (ECARC Hamfest)
July 30, 1994	Wauwatosa, WI MRAC)
August 6, 1994	River Falls, WI
August 13, 1994	Madison, WI
August 13, 1994	Oak Creek, WI (MRAC)
August 17, 1994	West Allis, WI (MRAC)
August 20, 1994	Dubuque, IA
August 27, 1994	Wauwatosa, WI MRAC)
September 10, 1994	Madison, WI
September 10, 1994	Oak Creek, WI (MRAC)
September 17, 1994	Appleton, WI
September 21, 1994	West Allis, WI (MRAC)
September 24, 1994	Wauwatosa, WI MRAC)
October 1, 1994	River Falls, WI
October 8, 1994	Madison, WI
October 8, 1994	Oak Creek, WI (MRAC)
October 19, 1994	West Allis, WI (MRAC)
October 29, 1994	Wauwatosa, WI MRAC)
November 5, 1994	Menomonie, WI
November 6, 1994	Kaukauna, WI (Hamfest)
November 12, 1994	Madison, WI
November 12, 1994	Oak Creek, WI (MRAC)
November 16, 1994	West Allis, WI (MRAC)
November 19, 1994	Dubuque, IA
November 26, 1994	Wauwatosa, WI MRAC)
December 3, 1994	River Falls, WI
December 10, 1994	Madison, WI
December 21 1994	West Allis, WI (MRAC)
Monthly, 1st Sat.	Racine, WI (except January, July & August)
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Oak Creek, WI (SWAT/MRAC)
Monthly, 3rd Wed.	West Allis, WI (MRAC)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, Last Sat.	Wauwatosa, WI (MRAC) (except December)
Monthly, Last Sat.	Tomahawk, WI (January thru October only)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

### GENERAL RULES

#### FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

#### MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

##### OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact: Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

#### BADGER EXAMINERS (BE) - MILWAUKEE

February 19, 1994.

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon, at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available now will be FCC General Radio Telephone Commercial exams. Fees are \$5.75 for the Amateur Radio exams and \$35.00 for the commercial exams.

#### MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your origi-

nal licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.75, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, NZ9B

#### EAU CLAIRE, WISCONSIN

April 16, 1994 at St. Olaf Parish School, North Lane, Eau Claire, WI. Please arrive by 11:00 so that we may finish by noon.

July 22 & 23, 1994 at the ECARC Hamfest, Norther Wisconsin State Fairgrounds, Chippewa Falls, WI.

#### MARSHFIELD, WISCONSIN

Sponsored by the Marshfield Area ARS. Second Saturday every other month, at St. Joseph Hospital, School of Nursing entrance. Room 124. St. Joseph Ave., Marshfield, WI. Walk-ins Welcome. Contact Walter Friant, WB0KIN, 2310 Wal-lonnie Dr., Marshfield, WI 54449. (715) 387-3870

#### RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

#### TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

#### STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

#### CEDARBURG, WI - ORC HAMFEST

#### EAU CLAIRE, WI - ECARC HAMFEST

#### KAUKAUNA, WI - SWAPFEST

#### MANITOWOC, WI, LAKESHORE HAMFEST

#### RACINE, WI - BIG BOY TOY SHOW

#### RHINELANDER, WI - NWARC SWAPFEST

#### ROCKFORD, IL - RARC HAMFEST

#### SOUTH MILWAUKEE, WI - SMARC HAMFEST

#### STEVENS POINT, WI - CWRA SWAPFEST

#### WAUKESHA, WI - KMRA SWAPFEST

#### WAUKESHA, WI - MIDWINTER SWAPFEST

See the Swapfest column for additional information and contact persons.

#### APPLETON, WI - ARRL/VEC

#### MANITOWOC, WI (HAMFEST)

#### KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

#### MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

#### RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

(continued on page 14)

# Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

## Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3984	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	0030	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

## Section Manager's Notes

Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221



Tri-County Hamfest, Jefferson, March 20th.  
Rock River RC was first club to renew ARRL affiliation this year.

Ozaukee RC renewed as SSC.

Brand new Wisconsin Nets Association 30-page manual available on disk from W9YCV, K9LGU, KA9KLZ or K9UTQ; print or view as needed.

N9LVS of Fox Cities ARC are producing a cable TV video program on DXCC, packet, license testing, message handling and in-shack amateur radio operating.

Green Bay Mike & Key Club annual Banquet will be March 19 at Rite Place, contact N9LOK for info.

FCARC March 21 meeting will be about satellites.

New Northeastern WI DX Association officers: Pres. W9MDP, V.P. NZ9Z and Secy./Treas. KA9JOL; are also applying for ARRL affiliation and are trying to qualify as a DXCC field representative.

WA9PWP of Madison was awarded QRP CW WAS.

Exams coming up:

- March 12 Madison and Oak Creek;
  - March 16 West Allis;
  - March 19 Appleton;
  - March 26 Wauwatosa and Menomonie.
- Sorry to report Silent Key WB9ZMU.

Thought for the month: *The farther away the future is, the better it looks.* □

## Net News and Gossip

Written and Edited by the Net Managers

### Wisconsin Intrastate Net/Late (WIN/L)

Ed Rice, W9NGP, Net Manager  
W-126 Lang Road  
Oconomowoc, WI 53066

1993 is gone, and I begin another year as manager of the Late WIN. A job for which I agreed to fill in for a couple of weeks in the fall of 1987.

The totals for the last five years are shown below.

You can detect a slight downward trend from 1991 through 1993. I think this reflects the growth of computerized traffic.

The following members of the net have contributed to the success of the net in an outstanding way in 1993:

☆N9BDL was net control 68 times.

☆W9CBE 115 times 9RN rep.

☆W9YCV checked in 334 times in 1993.

My thanks to all the ops who made it a good year for the late WIN, and I look forward to a great year in 1994.

73, Ed

### Wisconsin Intrastate Net/Late Five-Year Totals and Comparisons

	1989	1990	1991	1992	1993
QNI	1959	2201	2362	2302	2248
QTC	728	791	789	768	629
QSP	485	504	585	536	473

## Instant Licensing plan Opposed by ARRL

The ARRL has filed comments opposing an FCC proposal to grant immediate on-the-air privileges to amateur examinees before a license is issued by the Commission, preferring the early implementation of electronic filing as a better way to address the problem of excessive delays.

The League said it stood by its comments already made, on a petition for rule making that resulted in the FCC's proposal, in PR Docket 93-267. The ARRL told the FCC that its Notice of Proposed Rule Making, issued November 4, did not seem to consider the League's comments made last summer.

At that time, the ARRL said in response to a petition by the Western Carolina Amateur Radio Society-VEC that such a system was both unlawful and would be detrimental to enforcement. The League said that the FCC had, as

recently as 1987, denied such a concept and that the absence of an up-to-date database of such temporary call signs would make both self-regulation by amateurs themselves and rules enforcement by the Commission more difficult.

The League now has added that suggestions in the NPRM that precedents for such a plan exist in other services are incorrect; has reiterated its opinion that such a plan is inconsistent with the international radio regulations; and has emphasized that electronic filing of applications with the FCC would accomplish the same goal, of reducing the wait to get on the air, while maintaining total FCC oversight of licensing.

The reply comment date for this proposal is February 10, 1994.

- ARLB004,  
January 11, 1994

## Bulletin Identification Number (BID) Reminder

Thanks to all amateurs who faithfully relay WIAW and other bulletins.

Amateurs are reminded to maintain the original Bulletin ID number, BID, on all bulletins. BID integrity will greatly aid in decongesting sometimes overworked HF, VHF and UHF packet networks.

- ARRL Bulletin ARLB001, 1/4/94

## Ken's the Name, Money's the Game

Viewers of the Wisconsin Lottery's TV show, "The Money Game," which airs around Wisconsin at 6:30 p.m. each Saturday, may want to keep a sharp eye aimed at their screens for BSSS publisher/circulation department Ken Ebner, K9EN, of Portage. He will be in the audience (and, hopefully, on stage) on the March 5, 1994 edition of the program. Good luck, Ken!

- Editor

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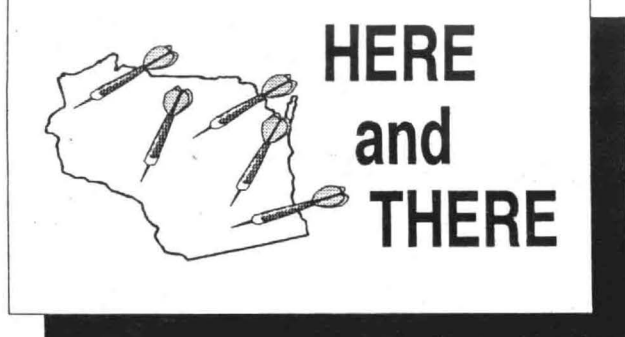
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## HERE and THERE

### SAREX Flight in Early February

The next space shuttle SAREX flight, STS-60, is now scheduled for launch February 3, 1994. Commander Charles Bolden and Mission Specialist Ronald Sega passed amateur exams in November and at presstime awaited their licenses. They will be joined on the flight by Sergei Krikalev, U5MIR, a veteran of the Russian space station *MIR*.

For more information on SAREX, send an SASE to the ARRL Educational Activities Department (225 Main Street, Newington, CT 06111), and ask for the *1994 SAREX Bulletin*.

- The ARRL Letter, 1/10/94

### Hiram Percy Maxim Award Nominations Due by March 31

Know a bright, young (under 21) amateur with leadership qualities? Nominate him or her for the 1993 Hiram Percy Maxim Award, which carries a \$1000 prize. Nominations are made through your ARRL Section Manager, and are due by March 31, 1994. Last year's winner was 17-year-old Chris Anziano, KD1OX, of Bethel, Connecticut, who is now a high school senior, plans a career in chemical engineering, and is awaiting word on his applications to several universities.

- The ARRL Letter, 1/10/94

### Are You Expired?

Still one more reminder: **Check your amateur license! Renewals began again this year after a 5-year hiatus.** FCC form 610s are available for an SASE from ARRL HQ. Do you know someone who lost his valued call sign for failing to renew his license?

- The ARRL Letter, 1/10/94

### Amateur Radio Service Joint Resolution: Your Support Needed

Congress is back in session, and your support is needed to give Amateur Radio national policy status. Please write to your U.S. representative and senators and ask their support for The Amateur Radio Service Joint Resolution.

At year's end, 23 U.S. senators were cosponsors of S.J. Res. 90, and 133 representatives had signed on as cosponsors of the companion H.J. Res. 199. New since the list in January *QST* were: Reps. Vic Fazio (D-CA); Sherwood Boehlert (R-NY); Norman Sisisky (D-VA); Bill Brewster (D-OK); Al Swift (D-WA); John Lewis (D-GA); Mike Synar (D-OK); Jay Dickey (R-AR); and Glen Browder (D-AL).

Also, Senator Thomas A. Daschle (D-SD) has been added to the January *QST* list.

- The ARRL Letter, 1/10/94

### Tower Victory in Court

A federal Appeals court in Minnesota has found in favor of an amateur and against a local municipality, the latest round in a three-year battle.

Sylvia Pentel, N0MRW, applied in January 1991 for a zoning variance for a 68-foot crank-up tower from the city of Mendota Heights. At the time, she was using a roof-mounted vertical which, she was unaware, violated the city's zoning rules. The city denied her application for a tower, but granted a special-use permit to allow her to keep the vertical.

Pentel sued the city in U.S. District Court, saying that its ordinance was preempted by federal law PRB-1, which recognizes the needs of both municipalities and amateurs, and which requires a "reasonable accommodation" of the needs of amateurs. The district court found in favor of the city, and Pentel appealed.

The U.S. Court of Appeals for the 8th Circuit said that the FCC in PRB-1 "was attempting to strike a balance" between the interests of municipalities and amateurs, and exhorted the parties to the suit to work together to "arrive at a satisfactory solution."

The Court of Appeals said that its decision does not mean that the city must necessarily grant Pentel's application for a tower as it stands, but rather that the city must make a reasonable accommodation for her interests. The court said that granting a special-use permit for Pentel's vertical was not an accommodation.

Pentel's lawyer was John B. Bellows, Jr., K0QBE, with assistance from ARRL General Counsel Christopher Imlay, N3AKD.

- ARRL Bulletin ARLB009, 1/19/94

### League at New Jersey Hearing

At a public hearing on January 11, ARRL officials told the New Jersey Department of Environmental Protection and Energy that a state proposal to register and impose fees on RF sources was contrary to federal law as related to radio

amateurs.

The New Jersey proposal, released in December, exempted Amateur Radio stations but left a door open for future regulation of amateurs.

ARRL General Counsel Chris Imlay, N3AKD, and Northern New Jersey Section Manager Rich Moseson, NW2L, both spoke at the hearing on behalf of the more than 5,000 ARRL members in New Jersey.

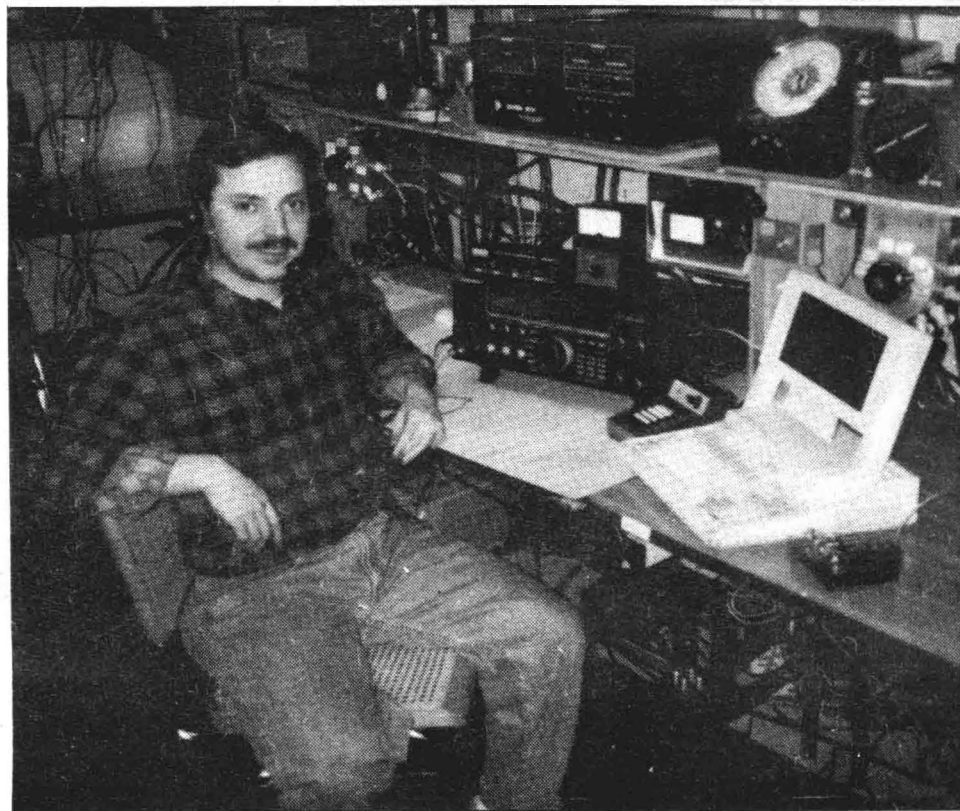
The League representatives argued that only the FCC had the power to license and regulate radio transmitters, and that applying the proposed regulations to amateurs would effectively preclude Amateur Radio communications in New Jersey.

A number of other ARRL officials and interested amateurs also were present at the hearing, and a specific exemption was requested for radio amateurs.

The New Jersey D.E.P.E. has extended the deadline for comments on the proposal until February 22. More information is in February *QST*.

- ARRL Bulletin ARLB009, 1/19/94

### He won last year. Will he repeat in the 1994 Wisconsin QSO Party?



Scott Neader, KA9FOX, of La Crosse, in the photo, took top honors in the 1993 Wisconsin QSO Party with 74,000 points in the fixed station, single operator category. A member of the Fall Creek Contest Club, he operated from Eau Claire County. His score just topped Gary Sutcliffe, W9XT, who turned in 72,400 points for second place. Gary is a member of the Kettle Moraine Amateur Radio Club. All the info about this year's QSO Party is on pages 7 and 8 of this issue. Join the fun! □

## Badger State Smoke Signals

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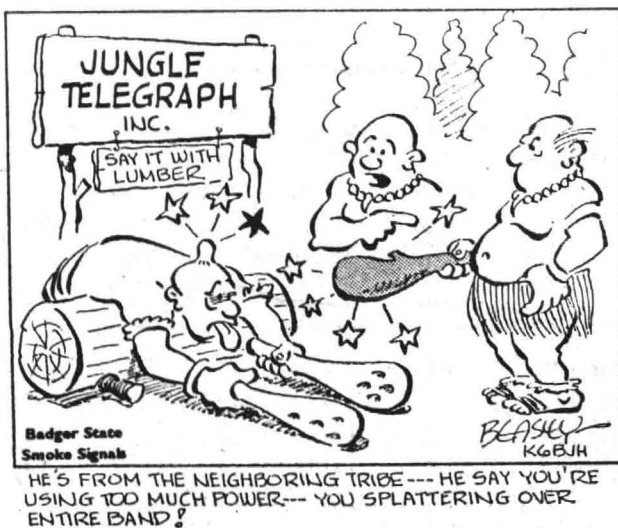
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9402





# The Computer Corner

By Stan Kaplan, WB9RQR  
11541 North Laguna Drive  
Mequon, WI 53092-3119

Article 8 in this series deals with a floppy disk problem. Have you ever gotten a 5-1/4 inch floppy in the mail from a friend or software house, put it in your drive to do a DIR, and received a message to the effect that DOS is unable to read the disk? Wow, what a feeling! Bad disk! Someone in the U.S. Post Office must have passed it through a magnetic field during its journey to you! Right? Well, maybe not.

Standard 5-1/4 inch floppies are interesting mechanical, as well as digital, devices. Next time you have a bad disk that needs discarding, teach yourself something about its make-up before you pitch it in the wastebasket. First, insert a couple of fingers in the large center hole, and turn the disk inside the plastic jacket. Notice that there is some resistance? You will see why in a moment, after a bit of surgery. Now do this. Place the whole floppy on a hard desk surface. Using the side of a pen or other smooth tool, press down along the edges to flatten down the edge crease, the way you would flatten down a folded piece of paper along the fold. Press hard, and do it around all four sides. Now, put your fingers in the center hole and try to turn the disk inside the jacket again. Notice how hard it

is? If you pressed really hard to flatten the edges, you may not even be able to rotate the disk. It may buckle first.

This article was prompted by a similar scenario the other day. A floppy arrived from a member of Emergency Government in California. It had an important document on it, and I was really upset when my machine could not read it. I had visions of a phone call, then a wait for several days until a new disk arrived. However, things got brighter when I discovered that it was just a mechanical problem, not a demagnetized disk. The U.S. Mail had somehow flattened the disk, perhaps because it was in the bottom of a heavy mail bag with several hundred pounds of paper pressing on it. None of my machines had drives that could overcome the friction and turn the disk inside its jacket.

How did I overcome the problem and read the data on the disk? Surgery was required. Using my fingers, I pushed the disk over to one side of the jacket's interior. This can be done because the disk itself is only 5-1/8 inches in diameter, while the jacket is 5-1/4 inches. So I moved it over away from one edge by 1/8 inch. Then, with a sharp scissors, I cut along one entire edge, about 1/16 inch in. Now the "envelope" was open and I could take out the "letter". Using care to only touch the center of the disk - near the hole in the hub - I worked out the disk onto my table. Once it was out, I inserted my fingers in the jacket and spread apart the two surfaces, especially near the edges of the jacket. Then, using a pencil as a tool to push the disk around on my work surface, I slid it back into the jacket. I used my fingers, then, to center the hub opening of the disk in the opening of the

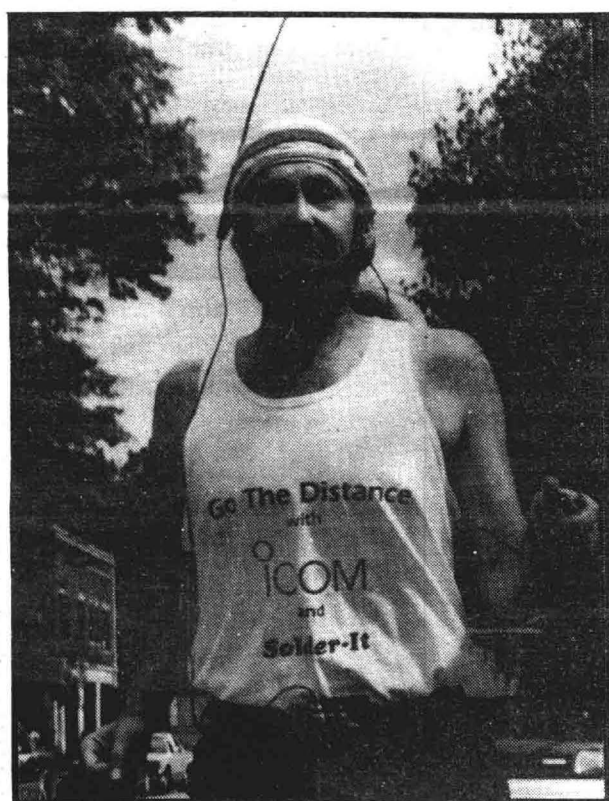
jacket. Then, into the drive it went, and my machine was able to read the data! I made a quick copy on my hard drive, discarded the original disk, and made a copy on a new disk.

Try the surgery yourself, but cut around three sides instead of one. When you open the cut jacket, you will see that the disk turns in a jacket that is lined with a white, fuzzy stuff, sort of like tissue paper or glass cloth, which has been glued to both interior surfaces. The white surface is supposed to rub lightly against the disk, cleaning it of all dust and dirt as the disk turns. Unfortunately, the cleaning surface will also "grab" the disk if the jacket is flattened for any reason.

So, next time you have a disk that your machine is unable to read, make sure it is not just a mechanical problem before you go to the trouble of getting a replacement. If it is mechanical, try the procedure outlined above to recover the data. Be careful, however, not to touch the disk with your fingers anywhere but near the hub - the drive heads never reach the hub during reads or writes. A single fingerprint on the data part of the disk can and will destroy the data. Also, be sure you do not inadvertently turn the disk over when replacing it in its jacket. If you do, it will be turning in the wrong direction, the data will be read backwards, and your machine will tell you that you fed it gibberish. Unlike a phonograph record, a disk drive reads data from both sides of the disk at once; flipping a disk over is sure to befuddle DOS. □

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Ray Meyer, N9PBY, Editor). □

## Ham Radio Operator Runs Again for Kids With Cancer



Fred Doob, AA8FQ, in the above photo, a 47-year-old ham radio operator licensed since 1958, will run in the Los Angeles Marathon to benefit children with cancer.

Fred's goal isn't to cross the finish line first, but rather to make as many QSOs as possible during the grueling 26.2 mile marathon course originating at the L.A. Memorial Coliseum at 8:30 a.m. on Sunday, March 6. For every contact made during the race, ICOM America, Inc. will contribute \$5 to the Children's Cancer Research Fund (CCRF) of Los Angeles, one of the leading pediatric cancer research funding organizations in the country.

Please turn to page 2

## Old But New: Milwaukee Radio Amateurs' Club

By Richard R. Regent, K9GDF  
5003 South 26th Street, Milwaukee, WI 53221

The diamond anniversary celebration of the Milwaukee Radio Amateurs' Club is just several months away. At 75 years, old the Club claims to be the world's oldest continuously active Radio Amateur Club, yet it doesn't have creaky bones or take afternoon naps. It's got more energy and activity as the years go by! For example, there are the spiced up meetings with interesting topics, a freshly-installed repeater, and new members on the Board of Directors.

Here's how to keep a club young. During this past year the MRAC held spring and fall sessions at their Amateur Radio license school for over 60 students. Upgrade classes will start in March at Methodist Manor on the "Sout' side," as W9NZF pronounces it. Newcomers can phone the MRAC special news line, 466-HAMS, to learn more about the exams, timely club information, or leave Amateur Radio related questions.

Then there's the separate MRAC/VEC Volunteer Examiners program in which W9JK, W9YCV and others have given 400 exams last year, with about 275 passing tests.

Besides QSOs on the air, members get together in several ways. They gather at Wauwatosa Savings and Loan for meetings, the last

Thursday of each month at 7:30 p.m., which usually attract about 50 people. Over a dozen members meet on Saturday mornings at 8:30 for breakfast at Maxims Restaurant. Also, there's the monthly Hamateur Chatter newsletter edited by KA9OFA, and the annual MRAC roster sent to all members. Their 10-meter net meets on 28.4 MHz, where about 20 amateurs check in every Friday at 9 p.m.

Recent teamwork has put a new MRAC repeater on 147.045 MHz, temporarily located at 76th and Appleton with a 60-foot high antenna, while work continues to improve its performance.

Each June, the Club operates Field Day as a practical way to get members and visitors involved on packet, CW, SSB, or to enjoy the food and fun. One of the latest MRAC plans is to hold their own swapfest.

We'll certainly have to stay tuned to see what special event the MRAC 75th anniversary will bring. Although Club President, old timer W9PWG, isn't old enough to have been a member since the MRAC began, he does need to carry a reminder list of his many club helpers. Everyone wants to help!

If you're in the Milwaukee area, check out the activities of the old, but new, MRAC.

Best of luck to this fine group! □

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WANTED: Heath (or other brand) 52Ω constant impedance, selectable loss RF attenuator box; no loss with all attenuation switched out. Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. (608) 356-4031, or packet @ WD9ESU.#SCWI.WI.USA.NA. □

FOR SALE: Santec 2-meter H.T., very good condition. ST-200ET(A) with 2 Ni-Cad packs, BP-4 cell pack (mobile adapter), charger, manual, and 5/8-wave mag mount antenna. \$130.00. Steve Kelner, KB9BMX, Route 2, N-2738 Sunnyvale Rd., Black River Falls, WI 54615. (715) 284-1600. □



# 1994 Wisconsin QSO Party

*Sponsored by the West Allis Radio Amateur Club*

The 1994 Wisconsin QSO Party is scheduled to begin at 12 noon CST (1800Z) SUNDAY March 13, and run until 7 p.m. Sunday (0100Z March 14). This annual 7 hour event is sponsored by the West Allis Radio Amateur Club (WARAC). The entry form printed in this issue of BSSS can be used, you may copy the entry form from your packet BBS, or you may send to our post office box for one. I need to mention that **ALL ENTRIES WILL NEED TO BE POSTMARKED NO LATER THAN MARCH 31, 1994** to be accepted for our 1994 contest. The survey of entrants last year, regarding the entry deadline, produced but one comment, which was positive. We had a problem last year with an announcement in one of the magazines, which we hope will not occur again. That is why we want to make sure everyone understands, March 31, 1994, is the latest possible date for your entry, no matter what you may read elsewhere.

The other item needing attention is a minor one. It seems that with the computer age upon us, we have a variance of ways of indicating what county the station being worked was in, especially with the many mobile stations crossing numerous county lines during the 7 hours of the contest. In checking logs, it has become hard to determine these counties, with the many abbreviations being used. We would like to "suggest" a sort of standard, which should eliminate these problems. One of the previous entrants used this method, and we think it is quite user friendly:

**1. USE THE FIRST 3 LETTERS OF THE COUNTY**, which will work for all counties except Green, Green Lake, Marathon, Marinette, Marquette, Washington, Washburn, Waukesha, Waupaca, and Waushara. These counties should be labeled thusly: Green=GRE; Green Lake=GRL; Marathon=MAR; Marinette=MRN; Marquette=MRQ; Washington=WAS; Washburn=WSB; Waukesha=WAU; Waupaca=WAP; and Waushara=WSR. Yes, St. Croix should be labeled STC and Iowa County should be IOW (as opposed to the State of Iowa being IA, which many entries did not differentiate). They simply called it IOWA, so from our standpoint, we did have some problems with trying to determine if it was a state or county. Using IOW and IA would solve that problem). So, in reality, there are only SIX counties of the 72 that would require special treatment. With computer logging, I use a cheat sheet of the counties, right next to the screen. I have these 6 counties in yellow, with the "suggested" abbreviation, which works quite well.

**2. FOR MOBILE STATIONS CROSSING COUNTY LINES**, use the callsign, a slash, and the county - i.e. N9KS/GRA, N9KS/MEN,

N9KS/WAP - which should work with most logging/duping programs. That way, when you work him a second time in another county, the program should not become confused, and tell you he is a DUPE. We have tried this on several programs without a problem.

**3. ALL STATES TO BE DENOTED AS ITS 2 LETTER EQUIVALENT**, using the same abbreviations as the Post Office uses. That way we can pick out "states" versus "counties" real quick.

Of course, these are only suggestions - not mandatory. Any help you can give the log checking part sure would be appreciated, as it speeds up the turn around time in getting the results to *Badger State Smoke Sig-*

*nals*, our official results publisher. And for the record, all entries will receive the results issue free. No SASE's or green stamps are needed.

The next thing that I have to talk about is the RECORDS. Last year, I misspoke. I did not have all the records. I now have them back to 1983. The present 12 entry categories have been in place since 1990. That has caused some confusion in determining who really has the record for the current categories, based on their entry prior to 1990. We believe they are now correct:

**Single Op Fixed** - by AC9C in 1986 with 87824 points

**Single Op Mobile** - by NA9D in 1986 with 86684 points

**Single Op Novice** - by WD9-

EGC in 1991 with 15238 points

**Single Op Tech** - by N9NUN in 1993 with 8400 points

**Multi Op Fixed** - by KB9S in 1991 with 64916 points

**Multi Op Mobile** - by NZ9Z in 1991 with 24118 points

**Multi Multi Fixed** - by K9EC in 1986 with 162673 points

**Multi Multi Mobile** - by N9EZ in 1985 with 74530 points

**Multi Multi Tech** - by N9PAY in 1993 with 330 points

**Out of State entry** - by AC9C in 1991 with 23085 points

**Club entry** - Greater Rice Lake Contest Club in 1986 with 540970 points.

*Please turn to page 8*



## 1994 WISCONSIN QSO PARTY RULES

- DATE/TIME:** 1800Z MARCH 13 - 0100Z MARCH 14, 1994
- MODES:** CW and Phone. All stations may be worked once per mode on each band. In addition, mobiles may be worked once per mode per Wisconsin county that they operate from. **No Repeater QSOs.**
- ENTRY CLASSES:**
- |                        |                       |                            |
|------------------------|-----------------------|----------------------------|
| Single Operator Fixed  | Multi Operator Fixed  | Multi Xmtr/Multi Op Fixed  |
| Single Operator Mobile | Multi Operator Mobile | Multi Xmtr/Multi Op Mobile |
| Single Operator Novice | Multi Operator Novice | Multi Xmtr/Multi Op Novice |
| Single Operator Tech   | Multi Operator Tech   | Multi Xmtr/Multi Op Tech   |
- EXCHANGE:** Wisconsin stations send county. Non-Wisconsin stations send state or province or country.
- FREQUENCIES:** CW: 3550, 3705, 7050, 7125, 14050, 21150  
Phone: 3890, 7230, 14290, 28400. **\*\* Suggested frequencies \*\***  
**\*\* Other bands may be used \*\***
- SCORING:** Phone contacts count 1 QSO Point; CW contacts count 2 QSO Points.  
WISCONSIN STATIONS: Multiply the sum of QSO points by the sum of Wisconsin counties (max. 72), plus states (max. 50) plus Canadian provinces (max. 13) worked. Note: DX countries worked count for QSO points but not as multipliers.  
NON-WISCONSIN STATIONS: Multiply the sum of QSO points by the number of Wisconsin counties worked (max. 72).
- BONUS:** WISCONSIN MOBILES/PORTABLES: Add 500 bonus points for each county that you operate from, outside your home county, with a minimum of 15 QSOs per county to qualify.
- LOGS:** Entries must contain a log consisting of: Time (GMT), call, band, state/province, Wisconsin county, mode and a complete Score Summary including YOUR name, address and call. Circle new multipliers as worked. Logs containing more than 200 QSOs must be accompanied by a dupe sheet (separate dupe sheet for each mode). Mobile entries must indicate county changes in log. Entries must be postmarked by **March 31, 1994** and sent to:

WISCONSIN QSO PARTY  
WEST ALLIS RADIO AMATEUR CLUB  
P. O. BOX 1072  
MILWAUKEE, WI 53201

- AWARDS:**
- NON-WISCONSIN:** Awards will be presented to the highest single operator score in each single operator category in each state/province.
- WISCONSIN:** Awards will be presented to the following:
- Highest single operator score in the QSO Party.
  - 10 highest single operator scores in each entry class.
  - Highest multi-operator score in each entry class.
  - Highest aggregate club score (club member stations to be located within 50 miles of the club except for mobiles).

WISCONSIN COUNTIES				STATES			CANADIAN PROVINCES
ADAMS	FLORENCE	MARATHON	RUSK	ALABAMA	LOUISIANA	OHIO	ALBERTA
ASHLAND	FOND DU LAC	MARINETTE	SAUK	ALASKA	MARYLAND (D.C.)	OKLAHOMA	BRITISH COLUMBIA
BARRON	FOREST	MARQUETTE	SAWYER	ARIZONA	MASSACHUSETTS	OREGON	LABRADOR
BAYFIELD	GRANT	MENOMINEE	SHAWANO	ARKANSAS	MAINE	PENNSYLVANIA	MANITOBA
BROWN	GREEN	MILWAUKEE	SHEBOYGAN	CALIFORNIA	MICHIGAN	RHODE ISLAND	NEW BRUNSWICK
BUFFALO	GREEN LAKE	MONROE	ST. CROIX	COLORADO	MINNESOTA	SOUTH CAROLINA	NEWFOUNDLAND
BURNETT	IOWA	OCONTO	TAYLOR	CONNECTICUT	MISSISSIPPI	SOUTH DAKOTA	NORTHWEST TERRITORIES
CALUMET	IRON	ONEIDA	TREMPEALEAU	DELAWARE	MISSOURI	TENNESSEE	NOVA SCOTIA
CHIPPEWA	JACKSON	OUTAGAMIE	VERNON	FLORIDA	MONTANA	TEXAS	ONTARIO
CLARK	JEFFERSON	OZAUKEE	VILAS	GEORGIA	NEBRASKA	UTAH	PRINCE EDWARD ISLAND
COLUMBIA	JUNEAU	PEPIN	WALWORTH	HAWAII	NEVADA	VERMONT	QUEBEC
CRAWFORD	KENOSHA	PIERCE	WASHBURN	IOWA	NEW HAMPSHIRE	VIRGINIA	SASKATCHEWAN
DANE	KEWAUNEE	POLK	WASHINGTON	IDAHO	NEW JERSEY	WASHINGTON	YUKON TERRITORY
DODGE	LA CROSSE	PORTAGE	WAUKESHA	ILLINOIS	NEW MEXICO	WEST VIRGINIA	
DOOR	LAFAYETTE	PRICE	WAUPACA	INDIANA	NEW YORK	WISCONSIN	
DOUGLAS	LANGLADE	RACINE	WAUSHARA	KANSAS	NORTH CAROLINA	WYOMING	
DUNN	LINCOLN	RICHLAND	WINNEBAGO	KENTUCKY	NORTH DAKOTA		
EAU CLAIRE	MANITOWOC	ROCK	WOOD				



## QSO Party is Fun; Participant Photos Needed

Known nationwide as one of the best QSO parties going, the annual Wisconsin QSO Party is a

### 1994 Wisconsin QSO Party

Continued from page 7

This is a CONTEST for ALL stations, not just contesters. It is an opportunity to work some of the "rare" Wisconsin Counties, due mainly to the many mobile stations that take to the highways, attempting to operate from as many counties as they can during the 7 hours of time the contest runs. These mobiles help both in-state and out-of-state stations, by activating counties not normally on during the contest or during the rest of the year. Casual operators are most welcome. Give the Novices contacts too. Be sure to get on CW too, so the out-of-state stations have a better opportunity to work Wisconsin. Without all entries, large or small, there would be no "party." It is fun. TRY IT. See you on the 13th of March at noon CST.

- Lynn Tamblin, K9KR

seven-hour-long "sprint." Serious contesters, casual operators, and everyone in between will find fun in this one. It's open to hams of all license classes and it offers those interested in getting the "feel" of contesting an enjoyable way to get their feet wet.

Even those amateurs who don't usually operate

## Wisconsin QSO Party! Give yourself a winning edge!

### Get the W9XT Contest Card and the WA1UJU/9 WIQP logging program!

The Contest Card is the voice keyer and CW interface that plugs into your PC. Record your call, CQs, and contest exchange for playback under PC control. Save your voice! Stop disturbing the family! Compatible with WIQP, CT\*, and NA\* contest software. Additional support software included. See the September 1993 QST Contest Card article (page 31). Cable not included.

WIQP is the PC logging program developed specifically for our state QSO party! It keeps track of Wisconsin counties, states & Canadian Provinces worked. WIQP even handles the mobiles you work as they move to new counties. It scores the different point values of CW and phone QSOs. Imagine having your logs and dupe sheets printed out and ready to mail minutes after its over! This year enjoy the Wisconsin QSO Party without the paper work!

The Contest Card and WIQP require a PC or compatible with a minimum 640K RAM and hard drive. Order your Contest Card before the Wisconsin QSO Party and mention this ad to get a free copy of WIQP!

WIQP software	\$10.00 postage paid
Contest Card	\$179.95 + \$5.00 S&H
Contest Card Kit	\$119.95 + \$5.00 S&H

WI residents add 5% sales tax.

Send check or money order to: **Unified Microsystems**  
PO Box 133 - E  
Stinger, WI 53086  
(414) 644-9036

in contests will find fun here, especially if they are in one of the more rare Wisconsin counties. If you are in the "casual" operator category, pop in the contest for an hour or so. I think you just might enjoy it. You might also be surprised who you run across.

Here's the usual request to all who operate in the Wisconsin QSO Party: PLEASE send a photo of yourself at your station to *Badger State Smoke Signals!* The photos we receive (and there haven't been very many the past two years) are published in the issue carrying the official results; that will be either June or July, 1994. The photos should be sent either with your log and other paperwork to the West Allis Radio Amateur Club, P.O. Box 1072, Milwaukee, WI 53201, or send the photos *only* to Jim Romelfanger, K9ZZ, BSSS Editor, 412½ Ash Street, Baraboo, WI 53913. Be sure your log goes to WARAC, if you send photos to the editor. Identify the people in the photos by full name and call sign, and the location where the photo was taken. Photos are not usually returned. *Logs are due no later than March 31, 1994!*

Have fun in the party. I hope to work lots of you, if I am able to get some time in.

- Jim Romelfanger, K9ZZ  
Editor



## 1994 WISCONSIN QSO PARTY SCORE SUMMARY SHEET

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip \_\_\_\_\_

Home WI County \_\_\_\_\_ Club Affiliation \_\_\_\_\_

ENTRY CLASS:	<input type="checkbox"/> Single Op Fixed	<input type="checkbox"/> Multi Op Fixed	<input type="checkbox"/> Multi-Multi Fixed
	<input type="checkbox"/> Single Op Mobile	<input type="checkbox"/> Multi Op Mobile	<input type="checkbox"/> Multi-Multi Mobile
	<input type="checkbox"/> Single Op Novice	<input type="checkbox"/> Multi Op Novice	<input type="checkbox"/> Multi-Multi Novice
	<input type="checkbox"/> Single Op Tech	<input type="checkbox"/> Multi Op Tech	<input type="checkbox"/> Multi-Multi Tech

WI Counties Worked From \_\_\_\_\_

SCORING:	CW QSOs _____	x 2	=	_____ CW Points
	Phone QSOs _____	x 1	=	_____ Phone Points
	Sum of CW + Phone Points		=	_____ QSO Points
	Number of Multipliers		=	_____ Multipliers
	Wis. Counties (Max. 72)			_____
	States (Max. 50)			_____
	Provinces (Max. 13)			_____
	QSO Points x Multipliers		=	_____ Points
	Bonus Points		=	_____ Points
	Final Score		=	_____ Points

I have read and followed the WISCONSIN QSO PARTY RULES to the best of my knowledge. (All OPERATORS must sign.)

Signature(s) \_\_\_\_\_

Date \_\_\_\_\_

To qualify, entries must be postmarked by March 31, 1994 and sent to: 1994 WISCONSIN QSO PARTY, WEST ALLIS RADIO AMATEUR CLUB, P. O. BOX 1072, MILWAUKEE, WI 53201. Entries may be disqualified if the QSO Party Rules are not followed. The decision of the Wisconsin QSO Party Rules Committee shall be final. Results will be published in *Badger State Smoke Signals* which will be sent to all entrants.

## The Backward Look....

### Things I Like to Recall

A school board employee brought me a hand-held PA speaker horn made in Taiwan, to be repaired. This reminded me of Bill Holman, who used to work with me at District 3 (Chicago) of the Illinois State Police Radio Bureau as CW Operator/Technician. He left to join the military with the OSS, later moving to be in charge of super-power transmitters with the Voice of America.

Bill came back to Rockford, Illinois to design the famous Holman Voice Gun, which was used by many police departments needing crowd control. He's been a Silent Key for years.

About the only "failing" Holman had was that he played the horses. Almost daily he was at Sportsman's Park. One time, when he was working the 4-12 shift, he showed up quite late. "How come," I asked. His excuse was: "In the sixth race, I saw listed a horse name KILOCYCLE. Being a radio man, I had a good hunch he would be a winner. I laid down some money and they were OFF! He was leading the pack in front of the grandstand when he tripped, fell down, and broke his leg. They brought out the low-boy truck and hauled him away. I guess he was shot."

The excuse was accepted with some doubt, but proved to be right because it was in the papers the next morning.

- Rain Static,  
Ero Erickson, KA9DYS  
4024 N. Pioneer  
Chicago, IL 60634

**Your subscription to  
Badger State Smoke  
Signals would be  
appreciated! Please use  
the form on page 5.**



# Racine County Tower Ordinance May Violate Doctrine of Federal Pre-Emption in FCC's PRB-1; First Amendment Rights May Also be Infringed

*Recently adopted law sets minimum cost of \$50.00 for "Site Plan Review;" public hearing will cost from \$160 and \$240 to towers more than 50 feet*

(Editor's note: This is a report of a committee formed to deal with an unduly restrictive tower ordinance in Racine County. The proposed (and now adopted) ordinance applies to Amateur and CB towers more than 50 feet high. The report was written by Bob Jensen, W0WLN.)

The committee on the proposed Racine County tower ordinance was appointed by (Racine Megacycle Club) President Gary Hardt, N9MGH, at the Racine Megacycle Club meeting on November 8, 1993, after news of the proposed ordinance was provided by Lynn Tamblin, K9KR, from Burlington. Bob Jensen, W0WLN, was appointed Chairman, with members Cheryl Miller, WS9P; Paul Smedegaard, N9RGW; Dave Geschke, AA9HL; Bruce Zabler, K9RRS; and Lee McKnight, N9VNU. Larry McCalvy, WA9JMO, was later added as a member at his request. Assistance in the actions taken by the committee was provided by many others, especially Jim McChesney, WA0PFV, and Dennis Demet, WB9SVM.

The Committee met several times and made decisions as to actions to be taken. Further information and assistance was received from Lynn Tamblin, K9KR. The Chairman visited the County offices the day after the club meeting and obtained a copy of the proposed ordinance.

The next day, two committee members again visited the County offices and spoke with the Planning and Development department staff. It was noted that the proposed ordinance applied only to towers over 50 feet in height. After some discussion, the Planning and Development Director said there would be no problem in exempting Amateur Radio antenna towers from the ordinance, and instructed his staff to do so. It was noted that the original draft of the ordinance which was based on an ordinance from Portland, Oregon, had indeed exempted Amateur Radio and CB towers.

It was assumed the exemption would be in the ordinance presented to the Planning and Development Committee at the public hearing on Monday, November 15. However, our committee decided that a number of Amateurs should attend the hearing just in case. If testimony appeared to be needed, WA9JMO and W0WLN would present the case for Amateurs.

At the hearing, it became apparent that the exemption had *not* been made. W0WLN and WA9JMO both spoke to the Planning and Development Committee, presenting reasons why compliance with the ordinance would be impossible for Amateurs, thus limiting Amateur towers to 50 feet. The fact that Amateur and CB antenna structures had been exempted from the original drafts was stressed, and request made for the exemption. Several other Amateurs also

spoke.

Our committee decided that attempts would be made to convince the seven County Supervisors who made up the Planning and Development Committee that Amateurs should be exempted from the ordinance. A list of all county Amateurs was made up, showing which County Supervisors represented them. Several Amateurs were requested to call their Supervisors who were members of the Planning and Development Committee, and others wrote letters.

Dave Geschke, AA9HL, contacted ARRL Headquarters and obtained a packet of information on PRB-1 (the Doctrine of Federal Preemption - Editor) and several court suits based on it which had been decided in favor of Amateurs. These were loaned to the County Executive and the Corporation Counsel.

At about the same time, Lynn Tamblin, K9KR, provided much the same material to the Planning and Development staff. That staff had proposed that Amateur and CB antenna installations over 50 feet in height be exempted from the ordinance, but a separate section added to impose rather severe restrictions and requirements for these installations. A conditional use permit, a public hearing, and other requirements would mean expenditures of several hundred dollars by applicants who would still *not* be assured of permission to erect towers over 50 feet in height.

We have no way of knowing what caused the next, and the final, change to the proposed ordinance. It now does not require a conditional use permit, but still requires a site plan review by the Planning and Development Committee, which may still decide to hold a public hearing. Cost of the site plan review is \$50.00. Cost of a public hearing, if required, seems to be somewhere between \$160 and \$240. It is possible that the Corporation Counsel, after reviewing the material from ARRL, decided on the change. It should be noted that there would be additional costs for a township or other local entity building permit.

The Planning and Development Committee met December 6. Two people were allowed to present testimony to the Committee. However, all of the efforts expended by many individual Amateurs and the arguments presented were to no avail. The Committee unanimously accepted the proposed ordinance for presentation to the full County Board, recommending adoption.

I believe further effort to convince the 31 County Supervisors to exempt Amateur installations would be in vain, especially since County Executive Dennis Kornwolf is apparently the instigator of the ordinance and appears to be anti-Amateur tower. However, if desired, our committee will launch such a campaign, assuming assistance of the county Amateur community is offered. □

## EDITORIAL

The ordinance, which was adopted after Bob wrote this report, appears to be anti-Amateur and CB. Amateur Radio is not a business, it is a hobby. Amateur Radio operators are not paid - cannot be paid - for any communications. And, although it is a hobby, Amateur Radio has a very serious side, and one which we do not take lightly: voluntary public service communications.

As I was preparing this for publication, the magnitude 6.6 earthquake had happened in the San Fernando Valley in California. I thought about the hundreds - probably thousands - of radio amateurs in the valley and all across that area who have been and, as this is written, are giving willingly and voluntarily of their time, their skills, the use of their equipment, and even risking their lives at times, to provide essential communications when they are so desperately needed to help save lives and property, as well as supporting relief work by the American Red Cross and dozens of other relief groups and agencies. Not one minute of all of the thousands and thousands of hours of their work will cost any governmental agency or anyone else one cent. Many of these amateurs are members of the Amateur Radio Emergency Service (ARES), some are members of the quasi-governmental Radio Amateur Civil Emergency Service (RACES), and some are individual hams. Part of the basis and purpose of the Amateur Radio Service, found at the beginning of FCC Part 97, is to "provide voluntary emergency communications."

I can speak from first-hand experience. I assisted with Red Cross communications into and out of Barneveld after that Iowa County village was flattened by a tornado on June 8, 1984. A Red Cross official said, on the air, "These guys (radio amateurs) have been a Godsend. Without them, we'd have been lost." So, it puzzles me why Racine County seems to want to hamstring what would be an asset to those who might need what we have been so willing to give.

Hundreds of potential disasters lurk, and nobody knows when they will happen nor what they will be. How about a train derailment which breaks open tank cars full of hazardous materials, or a semi-truck crashing, spilling dangerous chemicals? These situations often require evacuations from homes, hundreds of them, sometimes, involving thousands of people. Shelters are set up. Hams help. Skywarn, in which amateurs help provide advance warning of tornadoes, is a smoothly-working system. Last summer, a Ripon amateur provided Ripon with extra minutes of warning as he watched a tornado headed directly toward the city. This scenario happens every year in Wisconsin and many other states. In fact, the National Weather Service has a Memorandum of Understanding with the American Radio Relay League, as does the American Red Cross.

This is not a political issue, nor should it ever be (although it appears that in this case, it may be). Unfortunately, the real losers would be the ones who really count, the people living in Racine County.

Some ordinances like these are designed to circumvent PRB-1 by citing "public safety interests" and then imposing unrealistic tower height limits and unreasonable fees. They have been struck down by court after court. In order to communicate effectively, amateurs need towers higher than 50 feet; in an emergency, effective communications are an absolute must. In other situations like these, courts have also found that such ordinances also violate the first amendment to the U.S. Constitution by limiting - and such laws do exactly that - free speech. Such laws limit to whom one can and cannot talk with on the air because antenna height determines that. One such case happened in a San Diego county community in California. The amateurs won that one, too.

The Racine County law is now on the books. Once there, laws can be hard to get modified. But this law needs to be changed. Soon.

This opinion of the editor of Badger State Smoke Signals does not necessarily that of any other BSSS staff member or of anyone else connected with BSSS. □

## Ham's Marathon Run Helps Kids with Cancer

*Continued from page 6*

Fred will communicate using his ICOM IC-W21AT handheld transceiver strapped to his waist. He will also use an HS-51 headset/boom mike with a specially-modified PTT control in his hand. Repeater coordination for two meters, 70cm, and an HF link is being coordinated by the Baldwin Hills Amateur Radio Club of Los Angeles. Fred will monitor the following frequencies starting approximately one hour before the race: 145.200, 146.925, 445.325, 447.235, and 146.52 MHz simplex. If propagation is favorable, he will also take calls on 20 meters at 14.295 MHz. He anticipates that it will take about four hours to run the marathon. All hams who contact Fred will receive a special commemorative QSL card.

You can further assist Fred and ICOM to "Go The Distance" in helping kids with cancer by sending a contribution of any amount payable to CCRF, c/o Fred Doob, P.O. Box 20100, Shaker Heights, OH 44120. If you pledge \$1 or more per mile (\$26), you will receive an ICOM hat like Fred's race hat, as well as a syringe of Solder-It Silver Solder Paste. All pledges will directly benefit the Children's Cancer Research Fund.

Fred participated in the New York City Marathon in November 1993 and, with ICOM's backing, raised approximately \$2,500 for the Memorial Sloan-Kettering Cancer Center. He logged over 300 QSOs and received many individual pledges from the Amateur Radio Community.

Fred said, "My experience in the New York City Marathon was so gratifying I want to continue my efforts and raise more money for kids with cancer. This is a great way for hams to make a contribution by doing what they like to do most.... make contacts. I am hopeful that the QSO count and pledges from the L.A. Marathon will double that of the N.Y. Marathon." Why did he start running? "To stop smoking," he said.



# PARTICIPATING Clubs and Organizations

## Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

### CLUB MEETING JANUARY 10, 1994

The meeting was called to order at 7:30 p.m. by Vice President Paul, N9RGW, since our President Gary, N9MGH, was absent.

Everyone introduced themselves. About 21 hams were present.

The minutes as presented in the *Badger State Smoke Signals* were approved even though not everyone had received his own copy.

Dues for RACINE MEGACYCLE CLUB membership is \$11.50 which also pays for the BSSS.

Treasurer Dave, AA9HL, gave his report. The new balance is \$1103.24. The report was approved.

### OLD BUSINESS

Bob, W0WLN, again gave a full report on the upcoming Racine County tower ordinance. It now appears that nothing the amateur community did had any effect on the final version. It will be quite costly and complicated to raise any antenna tower in the county which is over 50 foot high. Bob was again thanked for all his efforts. (See his complete separate report on page 9 of this issue).

Larry, WA9JMO, gave a report on the upcoming Annual Ham Dinner February 26.

Gene, WB9CKY, gave a report on the first Fox Hunt of the year. Winner was Dennis, WB9SVM.

### NEW BUSINESS

Joe, KB9HSJ, gave a report on the 440 repeater he now has installed on this property. Joe thanked everyone who has helped him with money and parts to get this system on the air.

Bruce, K9RRS, gave a report on his new CD Rom which has the whole call book on North America. It can be accessed through packet.

The Packet Users Group has still not found a good meeting place.

Larry, WA9JMO, was asked how the club jackets and caps were coming. Larry said he will try to bring some samples with prices to the next meeting.

The Goodie Box was given to Bill, W9OVZ.

The business part of the meeting was adjourned at 8:20 p.m.

## HAM CALENDAR Courtesy Racine Megacycle Club

Feb	14	MEGACYCLE MEETING
Feb	22	Hamfest at Eau Claire
Feb	26	Ham Dinner
Mar	5	Testing at Red Cross
Mar	14	MEGACYCLE MEETING
Mar	20	Hamfest at Jefferson
Mar	27	Hamfest at Grayslake
Apr	2	Testing at Red Cross
Apr	10	Hamfest at Madison
Apr	11	MEGACYCLE MEETING
Apr	17	Hamfest at Rockford
May	1	Hamfest at Ozaukee
May	7	Testing at Red Cross
May	7	Hamfest at Manitowoc
May	9	MEGACYCLE MEETING
May	15	Hamfest at Peotone
Jun	4	Testing at Red Cross
Jun	13	MEGACYCLE MEETING
Jul	9	Hamfest at Oak Creek
Jul	11	MEGACYCLE MEETING
Jul	23	Hamfest at Eau Claire
Jul	31	☆ Hamfest Racine!
Aug	8	MEGACYCLE MEETING
Sep	3	Testing at Red Cross
Sep	12	MEGACYCLE MEETING
Oct	1	Testing at Red Cross
Oct	9	Hamfest at Waukesha
Oct	10	MEGACYCLE MEETING
Nov	5	Testing at Red Cross
Nov	6	Hamfest at Milwaukee
Nov	6	Hamfest at Kaukauna
Nov	14	MEGACYCLE MEETING
Dec	3	Testing at Red Cross
Dec	12	MEGACYCLE MEETING

The program for the evening was provided for by Arne, KA9ZPY. Arne introduced the speaker, Craig Kramer, who works at Metlife. Craig talked about insurance, annuities, mutual funds and other available investments for retirement.

After the program many Hams left for the Reflections Restaurant for the traditional coffee.

Respectfully submitted:  
Arne, KA9ZPY, club secretary

## Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749

Greetings NWRC members and guests.

Amateurs, please plan on attending the club auction scheduled for Feb. 22, 1994 at the American Legion Post 53 at 634 Water Street, Eau Claire. Auction time is 7 p.m. sharp. Doors will open at 6 p.m. for you to set up your items for sale. Please mark all items with some identification, what you will accept as a minimum bid, and anything that might aid the sale. Items should pertain to the amateur and electronics hobby. Snacks and coffee will be provided. Please help us at the lunch counter by bringing some food items, except pop. All sales are final, and we are

not responsible for loss. Keep track of your stuff! W9QAH, Col. Bruce Walther, will auction to the highest bidder. We will auction what time will allow. See our ad on the back page of *Smoke Signals*.

Steve Hart, KA9OMC  
NWRC Secretary/Treasurer

Because of constant slow delivery of BSSS in many areas, we are changing to second class mail from third class. We expect to make the change starting with the April issue.

OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point

# WATTS SNOO



WB9QFW 2-Meter Repeater 146.07-67 and Club Station

P. O. Box 847 • Plover, WI 54467

January 12, 1994

There was no official club meeting this month. Instead, we went out for dinner together at our annual banquet. Anthony's on North Second Street was the location, and about forty club members and friends and relatives made it a busy place.

President Art Wysocki, N9BCA, presented Distinguished Service Awards to the following folks:

☆ Lori Jasper, KA9ZGD, for taking on the difficult job of organizing the swapfest raffle, and for doing a great job at it.

☆ Joe Glinski, KG9B, for service and hard work during the upgrade of the W9NN 146.985 repeater.

☆ Ray Dix, KF9BG, for his efforts during Field Day 1993 and improvements he made to the club generator.

☆ Mike Tuszka, N9MEB, for his help tracking down the source of central Wisconsin repeater QRM to a faulty system in Amherst.

☆ Ron Howe, NJ9H, for his work tracking down the repeater QRM, and for being such a great club equipment manager.

☆ Rich Maier, KC9NW, for putting

up a packet bulletin board system and packetcluster access.

Jim Benak, KA9ACE, gave a gift of flowers to Deb Kroll, N9EIL, for her tireless work as backup net control on the Portage County ARES net.

If anyone was missed, this secretary apologizes for not taking notes fast enough. Congratulations and thanks to all for your efforts.

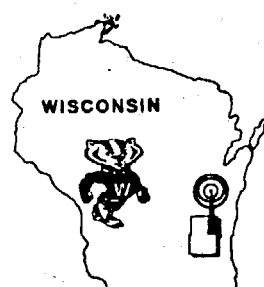
Art also recognized the twenty five people who donated to the repeater enhancement fund for a current total of \$1100, and promised that the "handsome certificates" would be sent out soon.

Missing: one ATV downconverter. Small blue box. If found please turn in to the club equipment manager.

Don't forget the Novice Roundup: this contest runs from January 29 through February 6. It's a great chance for "slow-coders" to get a little practice on the air. Complete rules are in January 1994 QST.

Next month, we'll be back in the Science Building, room A109, for our regular meeting at 1930 hours on 9 February 1994.

Respectfully submitted,  
Joe Larson, N9JW  
CWRA Club Secretary



## Washington County Amateur Radio Club

David Parkinson, KA9RNU,  
Secretary/Treasurer  
708 Robin Street  
West Bend, WI 53095



### MEETING MINUTES

The December meeting of the Washington County Radio Club was called to order by our President, K9GR. We had 17 people attending this meeting. The minutes and treasurer's report were read by KA9RNU and accepted as read.

### OLD BUSINESS

K9GR reviewed with the membership an informal annual report about the club's accomplishments of 1993. He reflected when he joined the club a few years ago, when only about a half dozen members would meet. The club has grown significantly in the past year with 35 members. In June at Field Day, we had 3 transmitting sites running. We had the highest score the club has ever had. We thank AA9EF, for coordinating it. We have had steady set of programs in about every meeting. We thank N9KIK for his efforts as program chairman and reserving the room for our club's meetings. We developed into an active club where members are willing to participate. We now are associated with *Badger Smoke Signals*, and have our minutes regularly printed in it. With the repeater committee, our club is now beginning to have an active part in sponsoring the 146.73 MHz repeater. We thank WB9BVB in his efforts as the food chairman who has organized the Saturday Breakfasts and the annual dinner. We are also become a re-instated, affiliated club of the ARRL. We have developed a club insignia, which is found

on our jackets, T-shirts, and sweatshirts. We thank those involved; namely, N9NBN, Jim Pamperin, and N9LZW. We now have an annual homebrew contest, which will be running in our May meeting.

After presenting the annual report, K9GR announced the first order of business was the election of officers. The by-laws pertaining to the election of officers were read. On the floor, N9NBN nominated N9PCG as assistant vice president (education) and N9PCG accepted. The elections were run after nominations were closed by a motion from AA9EF and seconded by N9PCG. After the ballots were counted by K9GR and KA9RNU, the following officers were elected: president, N9NBN; vice president, N9LLS; secretary-treasurer, KA9RNU; asst. vice president (technical), W9XT; and asst. vice president (education), N9OFD.

### NEW BUSINESS

N9NBN, now presiding, encouraged all members to work on upgrading their licenses.

WB9BVB requested the club to participate in purchasing a table at any of the local swapfests. This is where we can draw members in the club and also for our members to sell any items. A discussion was made by various members.

N9NBN encouraged members to join the ARRL through our club where \$3.00 is

Continued on page 11



## Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

### MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, February 3rd at 7 P.M. in the Emergency Government meeting room/Red Cross office located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz).

### EXCERPTS FROM MINUTES OF JANUARY 6, 1994 MEETING

Meeting was called to order by President N9GEN. Present were WD9FWP, KE4FE, N9FZD, WA9YCT, KB9BLV, N9GEN, N9UBS, N9UBQ, N9UBR and N9GHZ.

Motion carried to dispense with the reading of the minutes of the December, 1993 meeting and accept them as printed in the January, 1994 issue of BSSS. There was no treasurer's report as treasurer N9QVX was not present.

N9GHZ presented an update on the W9QHI 147.15 repeater. KC9UC from Wausau came out to the repeater site on January 3rd. An initial check of repeater receive sensitivity showed 36 microvolts which is very poor. The problem with the receiver side of the repeater turned out to be a bad cable going from the repeater receiver to the preamplifier. The problem with the autopatch and phone line was also fixed and was caused by no PTT present and a bad ground. The PL tone from the transmitter was also checked and was OK. The fuse for the transmitter also had to be replaced as it had blown and it was determined that the value was too small. Some additional minor work remains to be done on the repeater. Some consideration should be given to adding a muffin fan to the transmitter. There are two ground straps that need to be reconnected. Additional extra fuses of the proper rating need to be obtained for the transmitter.

It had been hoped that the buzzing noise (interference) that has been plaguing the repeater for some time now might be eliminated since the work was done on the repeater, but it was noted by several present at the meeting that it is still occurring.

Motion carried to have the club sell what remains of the original repeater system, on bids, with a minimum bid of \$200 and a cutoff date for bids of February 28, 1994, with the equipment to be advertised primarily in the Northcentral

## FOR SALE

On bids, by the Taylor County Area Amateur Radio Club, Medford, WI, MOST of a VHF Engineering brand 2-meter repeater system, originally purchased in 1979. Included are the original power supply, appx. 10-watt transmitter and controller, all mounted on a rack-mountable chassis. This hardware was functioning at the time it was removed from service. Also included are a Spectrum Communications courtesy tone annunciator circuit board and a 22 W x 18 D x 44.5 inch H enclosed repeater cabinet. All that is needed to make this an operational repeater are a receiver and a duplexer/antenna or 2 antennas. PLEASE NOTE: This is not a "plug and go" system! It will require a certain degree of technical ability to put it on the air again. If you have any questions about the equipment or would like to arrange to see it, contact Bob Braun, KB9BLV, at (715) 654-5552 (home) or (715) 654-5551 (business) AFTER January 28th. Bids should be sent to: Mike Schoenfuss, N9GHZ, TCAARC Secretary, P.O. Box 401, Abbotsford, WI 54405. Minimum bid is \$200.00. Mark the envelope as "Repeater Bid". Bids must be received on or before February 28, 1994. The Taylor County Area Amateur Radio Club reserves the right to reject any or all bids. All sales are final.

Wisconsin area.

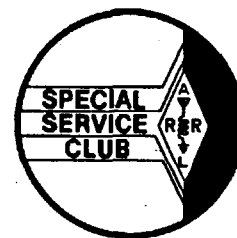
The ARES communications for the annual Abbotsford Christmas Parade on December 4th were critiqued. The P-Town Tramp 6-mile snowshoe race at Perkins-town will be held on January 22nd starting at 11 a.m. and at least 4 more operators are needed for that. For more information, or if you can help, contact N9LHY.

Elections for 1994 club officers were held. The results are as follows: President, N9GEN; Vice-President, KB9BLV; Secretary, N9GHZ; and Treasurer, WA9YCT. The meeting was adjourned at 8:28 p.m. □

## Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204



### MINUTES OF MEETING JANUARY 12, 1994

The January meeting was called to order at 7:30 p.m. by Steve, N9PBL. The treasurers report, and the minutes for the December meeting that were printed in *Smoke Signals*, were both approved as read.

### OLD BUSINESS

At the request of Club President Steve, N9PBL, Ron, WS9X, informed the club that the new *Now You're Talking* Novice and Technician class license manuals are now installed in the Manitowoc and Two Rivers public libraries.

Clancy, KB9ECW, also updated the club about any new developments in paying for use of the phone patch that's hooked up to the club's repeater. Use of this patch was also discussed.

Rental of the hall that this year's club hamfest will be held in, and publicity for the hamfest have been taken care of.

John, NZ9Z, read a letter that he received from Sri Lankan ham radio club station 4S7IP to the club. This letter expressed much gratitude to MANCORAD, for donating much needed ham radio reading material (in the form of old QSTs) to 4S7IP.

### NEW BUSINESS

Five new members were welcomed into the club: the Kubichek family of Dale (N6JSX); Becky (N6KUV); Ryan (KE6-ATX); and Tim (KE6ATW), also Liana Sue Marshak, KB9IUQ. Welcome aboard, people! With regards to club membership, all club members are welcome to invite anybody interested in joining the club, to come to any club meeting, to see what MANCORAD is all about.

John, NZ9Z, was thanked for getting the Corn Island DXpeditioners to speak at the club banquet on January 15 (postscript: on the Sunday 2M morning net after the banquet, everybody said that they found the talk given by the DXpeditioners, to be very interesting and enjoyable: thanks for the speakers, John; in general the banquet was a big success!).

Repeater usage guides were handed

out at the meeting. Members who did not attend the meeting will receive these guides in the mail. These guides contain a history of the MANCORAD 01/61 2M repeater, and operating procedures. Many thanks to Ron, WS9X, for compiling this guide!

Carl, KA9ZTF, suggested that a letter should be sent by the Club to the Cedarburg hamfest organization, apologizing for the leap year caused scheduling conflict between this hamfest, and MANCORAD's, and to come up with ways to avoid this problem in the future. Carl, and Club President Steve will draft this letter.

The club voted for, and approved funds to be used by John, NZ9Z, to send more old QSTs to the Sri Lankan club station 4S7IP.

Meeting adjourned at 8:20 p.m.

Respectfully, Eric Rugowski, WD9IAB  
Club Secretary

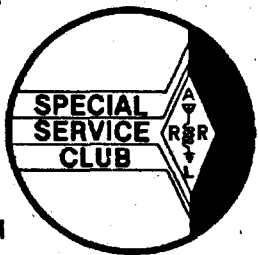
### ATTENDANCE

Steve Balcazo	N9PBL
Janice Schaden	N9IQZ
Ron Schaden	WS9X
Mike Kluczinski	N9UFZ
Len Coombs	N9QFO
Glen DeBaker	N9UTU
Paul Welnicke	N9QFX
Clancy Meneau	KB9ECW
Dave Meneau	N9UGI
Liana Marshak	KB9IUQ
Bill Zastrow	K9DUX
Carl Olson	KA9ZTF
Red Pajula	N9GHE
Dick Swanson	N9QFY
Mary Langer	KB9GOY
Ken Langer	K9HAG
Jim Dworak	KB9IUS
Julia Parma	N9PZX
James Parma	KB9GOX
Dan Scherer	KA9EAZ
Gene Buesing	WB9DQD
John Glaeser	WB9ESM
Dan Fischer	N9FVZ
Lyle Heide	WB9VTM
Oran Bushman	N9VIA
Hubert Willis	W9TQV
John Meyer	NZ9Z
Craig Houtin	N9VIC

## Riverland Amateur Radio Club

Judy Williams, N9LGV  
Secretary

Club mail address: P.O. Box 621  
Onalaska, WI 54650



No information was received from the Riverland Amateur Radio Club this month.

## Washington County Amateur Radio Club

Continued from page 10

rebated back to the club for ARRL membership renewals and \$5.00 for new ARRL membership.

K9GR, repeater chairman, reported on the equipment identified as need. Committee meeting for the repeater will be tentatively on Jan. 20th.

N9KIK announced at our February club meeting, we will have Bruce, WW1M, who will present a slide show of various antenna farms.

N9SBQ announced he is the newly-appointed emergency government director

for Theresa, WI.

N9NBN asked if anyone would be interested in having coffee and other refreshments in future meetings. It was agreed by the club to have it. K9GR mentioned he would bring the club's coffee pot. Members will be asked to donate for the refreshments, if they partake.

A motion was made to adjourn the meeting by N9PCG and seconded by K9GR. The motion was carried. No program was planned.

The next meeting will be Feb. 10th at 7:30 p.m. at the Washington County Courthouse, West Bend. □

MOVING? SEND YOUR NEW ADDRESS  
TO K9EN. SEE PAGE 2.

## Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO  
5400 Six Mile Road  
Radne, WI 53402



Our scheduled 17 January 1994 meeting fell victim to Old Man Winter. With the temperature hovering near minus 20 degrees and the wind chill pushing minus 65, President Ed Konicek, W9NVK and Secretary/Treasurer, Bob Jensen, W0WLN wisely cancelled the get together.

Our February Bash has been finalized. The Valentine Brunch is set for 1 p.m. on Sunday, the 13th of February at the Holiday Inn - Harborside, 5125 - 6th Avenue, Kenosha, WI. Cost will be \$7.95 per person. Further details and/or clarification can be obtained on our weekly net - 9 p.m., Thursdays on 147.27. Please notify Ed, W9NVK at 639-3298 or Bob, W0WLN at 886-8551 if you and spouse and/or guest are planning to attend. Postcards reminding us of the brunch will also be sent to each member.

I received a letter from Art, W9VSO and wife Squeaks who are enjoying a three month vacation in WARM Gulf Shores, Alabama, fishing, chasing rare DX and socializing with all the other snow-birds that left the rest of us here freezing. Art, when you and Squeaks return in March, be sure to bring an ample amount of that warm sunny weather with you.

It appears we now have a permanent

business meeting site. Berrylea's Apple Hollar Restaurant at 5006 S. Sylvania Ave (I-94 and Hwy KR) in Sturtevant is centrally located and should serve our needs nicely.

And once again, a reminder to get your reservations for the 12th Annual Southeastern Wisconsin Ham Banquet to Bob Jensen, W0WLN at 5616 Cambridge Lane, Unit #6, Racine, WI 59406. The Banquet will be held at the beautiful Racine Yacht Club on Saturday, February 26, 1994. Registration begins at 5:30 p.m., Cocktails - Cash Bar at 6 p.m., a sit-down catered meal at 7 p.m., a short awards program at 8 p.m., and music for your listening and dancing pleasure, provided by Ray and Rita Wolfe, from 8:30 to 10:30 p.m. This annual event is sponsored jointly by QCWA, Racine Megacycle Club, Lakeshore Repeater Association, Racine's 10-10 Club and the Kenosha Breakfast Gang. We had a wonderful time last year; I anticipate a similar experience again this year. We are limited to 90 attendees so get your reservations to Bob, today!

73, Larry McCalvy, WA9JMO



# Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

Minutes of the Eau Claire Amateur Radio Club

January 11, 1994

## PRELIMINARIES

The meeting was called to order by President Kevin Zehr (N9OHE) at 1930 Local time.

Secretary Jim Fitzl (N9LIJ) read the minutes of the previous meeting which were approved as read.

Treasurer Sue Eide (KB9EUP) read the treasurer's report which was accepted by the membership.

A moment of silence was held for Mike Ceraso (N9JMA) who passed away recently. He will be missed.

There was a general introduction of members and guest, with 37 in attendance.

## NEW BUSINESS

The hamfest scheduled for July 23, 1994 was discussed in some detail. Subjects of discussion included restructuring of table prices, ticket prices, truck rental, prizes and publicity flyers.

W0AIH made a motion that the table prices be increased to 5 dollars for flea market and 10 dollars for commercial tables this year. The motion was carried.

The club decided to use a rental truck

again this year for hauling tables, and Carol Ceraso (N9TUA) will assist Liz Searing (N9EQR) with taking table reservations.

KB9R made a motion that the grand prize be dropped and a greater number of smaller but useful/valuable prizes be given away. Presence at the hamfest is required to win the prizes. The motion also included maintaining ticket prices at the current level. Bill Jablonske (W9NNS) amended the motion to include a one dollar increase in the ticket prices to four dollars. The amendment passed by 19 to 13. The motion as amended passed by unanimous voice vote.

N9TUA made a motion to spend 300 dollars for prizes. The motion was amended to 400 dollars by Fred Harison (KC9NN). The amendment and motion as amended both carried by voice vote.

W9NNS will have publicity flyers prepared in time for distribution at the hamfest in the Twin Cities.

Don Rassback (WD9IJY) will again organize the ticket sales for this year.

KB9R reported that he has procured the SAM database program for use of club officers.

W9NNS asked the club if it would like to purchase a dual-band radio which was procured for use in the Chippewa Falls Comm. Center. KC9NN made a motion that the club not do this. The motion was

carried.

Fred Boetcher (WU9R) reported that the interference experienced on the 147.84/.24 repeater was being caused by the 146.31/.91 machine. Our thanks to WU9R and KB9R for finding and solving the problem.

WU9R suggested that the club should perhaps form an interference committee. He also suggested that it is possibly time to replace the .91 repeater. He made the motion that the club purchase a new, state-of-the-art repeater, the make/model to be decided at the February meeting. The motion was carried. Club members are to research various repeaters for consideration at the February meeting. He reported that the .24 repeater works fine and suggested that the addition of a new filter could possibly improve the performance of both repeaters.

KC9NN made the motion that the club form a permanent interference committee. The motion was carried.

The .24 repeater was also discussed briefly, with main points brought up being a new controller and a different site. No actions were taken at this time.

Volunteers were solicited to provide communications for the Ski Race to be held at the Eau Claire Country Club on January 15. This is Saturday morning at 8:30. Six people are needed.

Members are reminded that license testing will also be held Saturday, Jan. 15 at 9:00 a.m.

Ken Reetz (KA9PVY) mentioned that Ten-Tac is back into the kit business. He has the phone number for interested members to call to be placed on the mailing list.

W9NNS brought a Kantronics data/voice transceiver that belongs to the

club and has been used for a packet node. The matter of what to do with this piece of gear was deferred to a later meeting.

N9LIJ made a motion that the club obtain a post-office box to keep the club's correspondence in better order. Motion was carried.

Nominations were opened for elections to the club board of directors which will take place next month. The present directors Joe (KB9R), Carl (W9NVV), and Dan (N9HME) were renominated. No other nominations were made, but nominations remain open until the next meeting.

Steve Heimerl (KF9KH) reported on a query he made to ARRL concerning music on hold on the autopatch. According to ARRL, this is OK, since there is no real control possible over it.

Leroy (N9RSU) asked about CW on the club repeaters. Consensus is that it is not really a great idea and that the bandplan should be followed.

Lunch Committee for next meeting: K9UXP and W9BAR.

## REMINDERS

Dues are payable at this time for 1994. Contact Kevin (N9OHE) to volunteer for the ski race this Saturday.

Testing this Saturday at 9:00 a.m. at St. Olaf's Parish School on North Lane.

Repeater use cards, DMV ham license forms, and Midwinter Madness flyers are available at the front desk for interested parties.

The meeting was adjourned at 2125 local time.

Respectfully submitted:  
J. Brennan Fitzl (N9LIJ), Secretary

## Sheboygan County Amateur Radio Club

Gregg Meschler, N9PZV, Secretary

2309 North 34th Street • Sheboygan, WI 53083

The January 11, 1994 meeting of the Sheboygan County Amateur Radio Club was called to order at 7 p.m. by club President Penny Ten Pas, N9TCF, with 25 in attendance.

## COMMITTEE REPORTS

The minutes from the last meeting were read and approved as read. The treasurer's report was read.

Volunteers were solicited for 2M net control. The net is held every Monday evening at 7 p.m. local time on 147.060 MHz (+, 107.2 PL).

Nomination forms for SCARC Ham of the Year are due before the end of the meeting. Turn them in to Joe, N9REH.

## OLD BUSINESS

The next club meeting and Valentine's Day dinner is Friday, February 11, 1994, at Rupp's at Riverdale. Contact Al, NF9R, at 893-5071 by January 30.

The brat fry at Woodlake Mall is scheduled for August 27.

## NEW BUSINESS

Joe, N9REH, was presented the coveted FLAT TUBE award for offering the club privileged use of his repeater.

## Official Notice: VEC Exam Session February 2, 1994

The exams will be given at the Red Cross Building, 2032 Erie Avenue, Sheboygan, WI. Check in at 6:30 p.m. Testing begins at 7 p.m. No walk-ins, please register in advance with Tom, AA9BJ, at 458-2307.

Congratulations, Joe.

Charley, N9SVV, asked if anyone was interested in attending and possibly joining the computer club of which he is a member. Call Charley for more info.

Future meeting programs:

February: Valentine's Day Dinner.

March: QSO Party.

April: Weather Service (tentative).

May: Field Day planning.

June: Field Day final planning.

July meeting will be held at Field Day, June 26th, at Taylor Park.

The meeting was adjourned at 7:35 p.m. for some great refreshments, followed by a presentation by Bob, N9RCZ, on wave mechanics using a terrific home-made display.

Submitted by  
Gregg Meschler, N9PZV

## Foundation for Amateur Radio Announces 1994-1995 Scholarships

### Two Wisconsin Clubs Offer Education Funds

The Foundation for Amateur Radio, Inc., a non-profit organization with headquarters in Washington, D.C., plans to administer 49 scholarships for the academic year 1994-1995 to assist licensed Radio Amateurs. The Foundation, composed of fifty local area Amateur Radio Clubs, fully funds five of these scholarships with the income from grants and its annual Hamfest. The remaining 44 are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college, or technical school. The awards range from \$500 to \$2000, with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs are encouraged to announce these opportunities at their meetings, on their nets, during training classes, and in their club newsletters.

The Wisconsin clubs offering scholarships, their amounts, and other requirements are:

The West Allis Radio Amateur Club, Inc. offers three WARAC Memorial Scholarships, which pay \$1000 each.

Applicants must hold an Amateur Radio license, be residents of the state of Wisconsin, and plan to attend a school in Wisconsin, pursuing at least an Associate degree.

The South Milwaukee Amateur Radio Club offers four scholarships of \$500 each. Applicants must hold an Amateur Radio license and intend to seek an Associate or baccalaureate degree in Electrical Engineering or technology from a college or university in the U.S. They may reside in Wisconsin, Illinois, or Indiana, with preference given to Wisconsin residents.

Additional information and an application form can be requested by letter or QSL card, postmarked prior to April 30, 1994, from FAR Scholarships, 6903 Rhode Island Avenue, College Park, Maryland.

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary, and educational pursuits that advance the purpose of the Amateur Radio Service.

- From FAR news release

## Notes from Here and There

### Girl Scout Thinking Day

The Girl Scout's Thinking Day is February 22. Girl Scouts and Girl Guides the world over use Thinking Day to reflect on International friendship and world peace. Why not contact your local Girl Scout Council and invite troop leaders to bring the girls to your station for a few QSOs?

Contact ARRL (225 Main Street, Newington, CT 06111) for our free brochures about Girl Scouts and ham radio to send home with the young ladies.

### QSL Bureau Statistics

In 1993, ARRL members sent about 7.25 tons of QSL cards to the ARRL outgoing QSL bureau, and the bureau shipped them out. This was 2,182,000 cards for DX destinations.

The U.S. incoming bureau's volunteers sorted just over two million cards in 1993, as well.

Information on the operation of the QSL bureaus is on pages 98 and 99 of QST for January, 1994.

## STS-60 Astronauts Get Call Signs

Astronauts Charles F. Bolden, Jr. of Columbia, South Carolina and Ronald M. Sega of Seabrook, Texas, have been issued Amateur Radio call signs in preparation for their joint U.S.-Russia mission. The Spacelab science objectives are primarily micro-gravity oriented, with emphasis on materials and life science. Bolden (KE4IQB) is commander of the space shuttle Discovery, due for liftoff on February 4, 1994, at 12:10 UTC. Sega (now KC5ETH) is the second of four mission specialists. They plan to contact several schools as part of the SAREX program, including one in Russia. The flight of STS-60 represents an historic first, the first of several joint U.S.-Russian Space Shuttle flights planned in preparation for the development of the international space station. Veteran cosmonaut Sergei Krikalev (U5MIR) was chosen to be the first Russian to fly on the U.S. Space Shuttle. He will operate Amateur Radio under Bolden's control operator privileges.

- Excerpted from AMSAT Bulletin 022.01

- ARRL Bulletin ARLX003, 1/17/94

- ARRL Bulletin ARLB010, 1/21/94



## Vehicle Licensing

By Richard R. Regent, K9GDF  
5003 South 26th Street, Milwaukee, WI 53221

At what Wisconsin Stations do mobile ham radio operators have annual reunions? Give up? At the eleven Division of Transportation, Wisconsin Vehicle Inspection Program Stations in southeastern Wisconsin!

Vehicles with amateur call plates get first crack at inspections in late December and early January, so there's a parade of mobiles through the facilities that lasts about four weeks. Wisconsin has three in Milwaukee, and one each in West Allis, Waukesha, Burlington, Racine, Kenosha, West Bend, Cedarburg and Sheboygan. In a way, hams are lucky to get their inspections scheduled when there are lulls in the traffic. Most motorists are so busy between

Christmas and New Years that mobile hams can nearly drive right through.

For example, Barb, N9DIJ of Milwaukee, has apparently set the record for the least amount of time in line at the Inspection station. Arriving in her '92 Buick Century, she sees an older Chevrolet Caprice in the Boden Court inspection stall ahead of her. Its license plate clearly indicates it's N9AW. Sure enough, there's Jerry at the wheel. Jerry didn't see Barb waving; maybe he was worried about passing his test and drives away when he is done. Within seconds Barb is handing her inspection notice to the operator. Barb didn't notice that her mailing indicates she could have skipped this year, so she really didn't have to wait at all. Total elapsed time, 28 seconds!

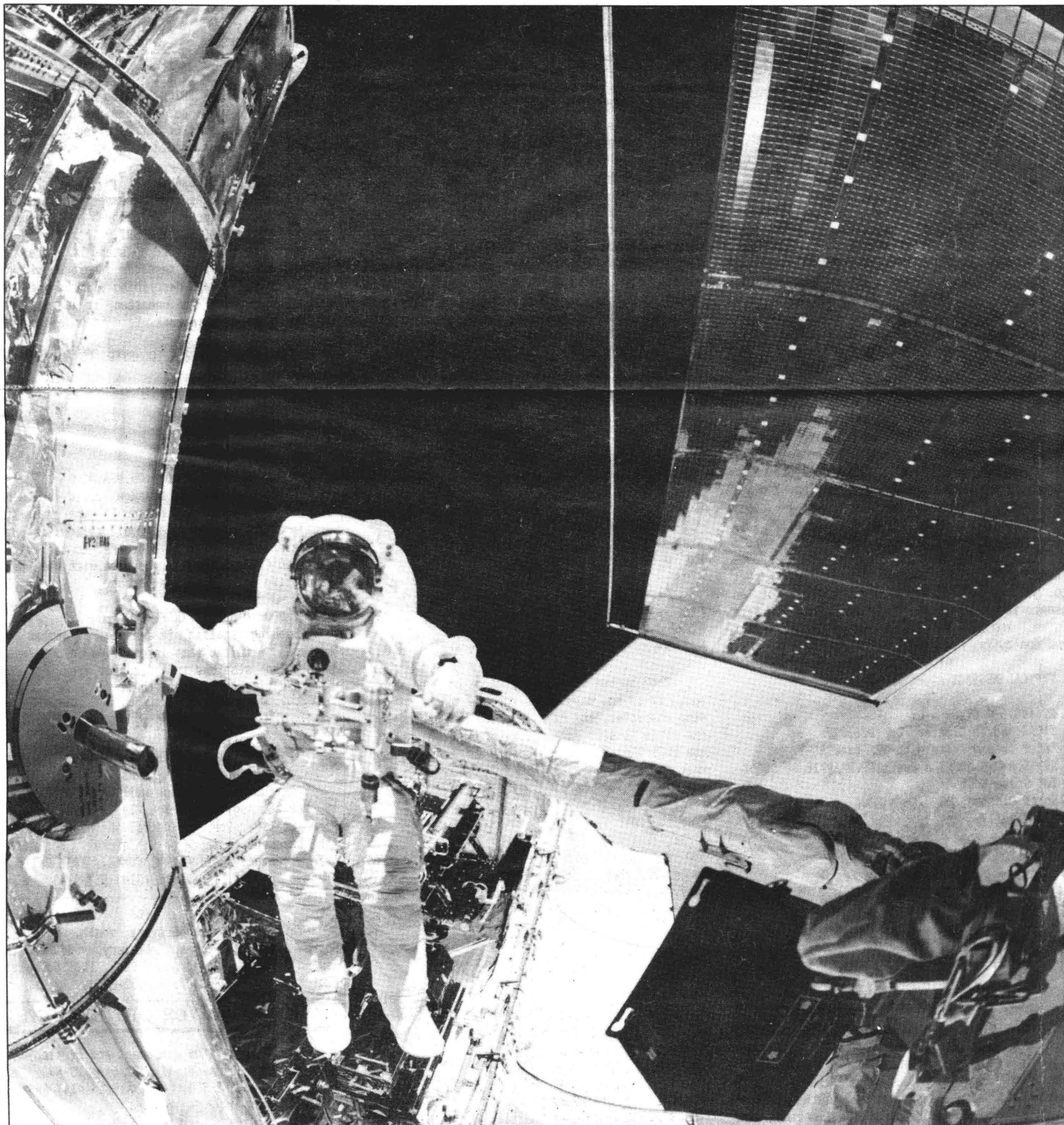
Later that day, here I am in my '86 Chevrolet Cavalier, with license plates K9GDF, getting a

vehicle inspection.

"Ham plate cars start coming in about this time of year," the inspector says, as he looks under my hood, pokes around at the emission control equipment and mutters, "EGR, PCV, vapor canister and air system." I ask, "Any illegal aliens in there?" The inspector smiles and replies, "Your car passed, have a happy holiday season." Other call plates can be seen, and probably hundreds more over the next few days. Of course, I didn't wait around to see them all.

If you would like to bring a vehicle in for an inspection outside of the registration renewal period or before you purchase the vehicle, you may do so. There is an \$8.00 fee for a voluntary test. But the best time is when the regular mobile reunion parade takes place, you might see several amateur radio friends there, too. □

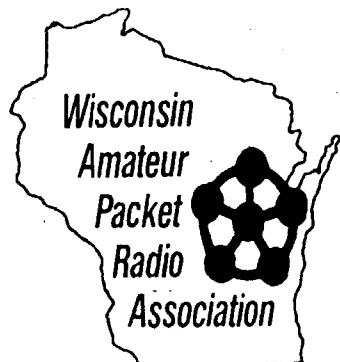
## A Repair Job With a View: Fixing the Hubble Trouble



This photo was taken on December 5, 1993, during the mission of STS-61, the Hubble Space Telescope repair flight. Here, Astronaut F. Story Musgrave is holding on to one of many strategically-placed handrails on the Hubble during the first of five EVAs (Extravehicular Activities) during the mission. As we know now, the repairs made to the telescope were successful.

- NASA photo





# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT  
921 8th Avenue • Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

Tucson Amateur Packet Radio (TAPR) Association Has Moved!

Tucson Amateur Packet Radio has moved its offices. The new mailing address is:

Tucson Amateur Packet Radio  
8987-309 E. Tanque Verde Rd. #337  
Tucson, AZ 85749-9399

The voice telephone number is (817) 383-0000. This number has a voice mail system attached and is available 24 hours a day. A FAX server will be operational within the next few weeks to automatically fax information to you.

The incoming FAX number is (817) 566-2544.

More information on the office move will be published in the Winter, 1994 edition of Packet Status Register.

## NTS TRAFFIC VIA PACKET

WA8BXN MSYS PBBS User's Manual  
1.16 December, 1993  
(from WD9ESU BBS)

## NTS BASICS

**WHY THE GOOFY FORMAT?** Your message may not stay on the packet network. It may be forwarded by nets using RTTY, CW, phone or whatever. These other modes are NOT error free. The preamble and format of your message will help standardize and check your message for better handling.

NTS IS PICKY Danged right, they are! NTS operators want to insure that the system works now, before the disaster. If they can get you using the standard now, you will not be a problem later. Right now you are handling messages that might not mean much if they don't get to their destination. After a disaster, your message content may have much more meaning. You may be transferring messages about critical supply needs, about medical supplies that will save someone's life. Information to a family whose relatives assume they are dead. If you do something wrong while handling NTS traffic, expect to get corrected. You will be one heck of an asset in a disaster if you know what you are doing. You will be one heck of a liability if you don't.

## A TYPICAL MESSAGE

```
| ST 44070 @ NTSOH
| TITLE: North Olmsted, OH (216)777
| Enter message--End with /EX or CTRL-Z
| NR 15 R HXG N8GNJ 4 Seattle, WA 9-18-89 0045Z
| To: Steve Wolf
| North Olmsted, OH
| 216-777-1177
| -bt-
| Request home PBBS call
| -bt-
| Steve N8GNJ, Seattle, WA
| Operator's note: Reply to
| N8GNJ@N8GNJ.WA.USA.NA Seattle, WA
```

Let's examine the above message line by line:

```
| ST 44070 @ NTSOH
```

When you send a piece of NTS traffic, it has a special send command. The traffic indicator will help it on its way. It will also (sometimes) cause the last PBBS in the line to generate a message back to you telling you who took it off the packet system and where. In many cases, this might not be at its destination. An operator in Iowa might pull an Ohio message because he knows he can get it there quickly. He might be getting on a net that has an operator in the town that the message is destined for.

ALWAYS use a ST zip @NTSxx command as all the forwarding PBBSs will recognize that without interpretation.

```
| North Olmsted, OH 216-777-1177
```

This title line tells that there is one message in the packet message and that it is destined for Ohio. If NOT disaster related, there may be many messages in the packet messages, as long as they are destined for the same location. The inclusion of an area code (AC 216) is sometimes used but does not mean diddley in many areas. If the precedence (explained below) is EMERGENCY or P, then that could be added to the title line. The title line is limited to 37 characters!

```
| NR 15 R HXG N8GNJ 4 Seattle, WA 9-18-89 0045Z
```

This is the preamble. NR 15 is the number of the message at the sender's station. On January 1, you start with message one. You assign each message going out of your station a number. "R" is ROUTINE. Other precedents are "W"elfare, "P"riority and "EMERGENCY". EMERGENCY is always spelled out! Any precedents other than routine should appear in the title line. "EMERGENCY" deals with information related to the safety of life and property. "Priority" is everything that is almost an emergency. It includes important messages having a time limit, notices of death and injury in a disaster area and press dispatches. "Welfare" is for health and welfare inquiries and responses that indicate all is well. If all is not well, the message should be sent as Priority. "Routine" is everything else.

The HX- is the handling instructions (if any). Handling instructions are rarely used.

```
HXA# -- Collect call within # miles
        (or unlimited if no #).
HXB# -- Cancel in # hours/notify originator.
HXC -- Report time and date of delivery.
HXD -- Report time, date, method and call
        delivering.
HXE -- Obtain and send reply.
HXF# -- Hold message until # (date).
HXG -- Mail or toll call delivery not required.
```

The number five is the check of the message. It is how many words you are sending. The stop character, the "x", is counted. The rest of the line is self-explanatory. For gosh sakes, use UTC! There are other people in the world and they don't all use EDT!

```
| To: Steve Wolf
| North Olmsted, OH
| 216-777-1177
```

This is the address that the message is to go to. The phone number is almost always mandatory. It will probably just be serviced back without it.

```
| -bt-
| Request home PBBS call
| -bt-
```

The meat, the message. Preceded and followed by a -bt- to set it off, the message should be no longer than 19 words. Rambling messages do not make it!

```
| Steve N8GNJ, Seattle, WA
| Operator's note: Reply to
| N8GNJ@N8GNJ.WA.USA.NA Seattle, WA
```

This is the signature, to whom a response is to be forwarded. It is a real good idea to add your packet address to the end.

## CHECKS--COUNTING THE WORDS

If you are going to run into trouble, this is where it will be. Probably the best available advise is to not banter on the air about disagreements over the check. If they know more than you, they are right. If they know less, they are wrong.

Here is a quick list of some sticky check situations:

Alfred E. Neumann	3 words
Grand Cayman	2 words
NY	1 word
New York City	3 words
ARL SIXTY THREE	3 words
Fifty Six	2 words
6146B	1 word

**CHANGE THE WORDING!** If you do change the check, use a slant bar between the old and new values. For example, if you received a check of five and the check should be seven, note it 5/7.

## ARRL NUMBERED RADIOGRAMS

These are "standard" messages. The text of the message is simply ARL followed by the number spelled out: ARL SIXTY EIGHT. It allows the operator to quickly make up standard "are you OK" and the like type messages. There should be a file on your board describing all the different ARL numbers. The one seen in a disaster situation is ARL NINETEEN. Here is an example:

```
| NR 132 W N08M ARL 2 N. OLMSTED, OH AUG 5
| JANE DOE
| 1234 WEST 5TH
| GARY, IN
| PHONE 123-456-7890
| ARL NINETEEN
| JOHN SMITH 987-654-3210
| OR REPLY N08N08M08M08M.OH.USA.NA
```

(Note that this message could be sent either to Jane Doe, a person in the disaster area, or to an agency who could follow it up. For example, it could be addressed to the American Red Cross agency in the area with the text requesting a check on the person.)

## DO NOT BOOK DISASTER TRAFFIC!

Booking traffic is sending a number of messages with the same information in one message. The stations in a disaster area do not have the time to separate them.

## THE TEST POINT

(continued from page 3)  
GREAT RIVER AMATEUR RADIO CLUB  
DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on Feb. 19, May 28, Aug. 20 and Nov. 19 in 1994. Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

## LOVES PARK, IL

Third Saturday of every month. Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Paul K. Dean, WB9HGZ, (815) 987-6754.

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## ARRL Board Meeting News

QST DE WIAW  
ARRL Bulletin 11  
From ARRL headquarters  
Newington CT January 22, 1994  
To all Radio Amateurs

The ARRL Board of Directors met in Rocky Hill, Connecticut, January 21-22, 1994. The following is a summary of meeting highlights.

Board re-elected its present slate of officers: President George Wilson III, W4OYL, First Vice President Rod Stafford, KB6ZV, Vice President Jay Holladay W6EJJ, Vice President Tom Frenaye, K1KI, Treasurer Jo, McCobb, K1LLU, Secretary and Executive Vice President David Sumner, K1ZZ, and Chief Financial Officer Barry Shelley.

Elected to the Executive Committee were Rocky Mountain Division Director Marshall Quiat, AG0X, Hudson Division Director Stephen Mendelsohn, WA2DHF, Delta Division Director Joel Harrison, WB5IGF and Great Lakes Division Director Al Severson, AB8P.

An interim report and band plan recommendation of an Ad Hoc Committee was adopted, looking to the early implementation of the expected allocation of 219 to 220 MHz for limited Amateur use.

The 1994-95 ARRL budget plan was adopted.

The Volunteer Resources Committee was tasked with studying the feasibility of a system of technical awards to recognize achievement in fields ranging from design and construction to the creation of innovative communications systems, and develop appropriate criteria.

The League will file a petition for rule-making seeking to remove overly restrictive rule provisions concerning the use of spread spectrum techniques, and an Ad Hoc Committee was created to recommend technical standards.

The Membership Services Committee will study the possibility of relocating the 40-meter novice subband. The committee will report back to the Board in July.

The Board approved a revision of the ARRL/Red Cross statement of understanding.

ARRL headquarters will begin to notify members of license expirations, and will include a form 610 to effect license renewals.

The Administration and Finance Committee will study the feasibility of offering group legal defense insurance to ARRL members to cover legal costs in antenna cases and RFI lawsuits.

The ARRL Letter will be offered to affiliated club newsletter editors free-of-charge, on a trial basis.

The Administration and Finance Committee was asked to investigate a multi-media production capability for headquarters, to keep pace with the changing technology in today's personal computing revolution.

Perry Williams, W1UED, was commended for 40 years of dedicated service and congratulated on the occasion of his retirement from the headquarters staff, in April 1994.

Details to follow in March QST.

NNNN

# Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



Notes from the informal 88 "NET" on January 18, 1994. The regularly scheduled meeting was canceled due to the cold weather that day.

1. A mailing will be made to members with membership renewals and meeting schedules enclosed in them. The dues are \$15.00 per year member/family. The dues include a subscription to Badger State Smoke Signals for a year.

2. The February meeting program will be the Sauk County AREC Emergency Coordinator, Peter Sweeney, WD9JIB. There will also be an open house and introduction to the ham classes starting later in February. Bob, WT9Q, is in charge of the meeting. Volunteers are needed to help run the classes. So far, WT9Q, N9KXX, W9WSS and N9MLZ have volunteered to help. More help is needed. The classes will start 10-14 days after the open house.

3. The future use of the Baraboo Civic Center was discussed. It is hoped that more information will be available at the February meeting. The meeting room is booked to July. There are possible other uses for the building such as senior citizens housing or offices. We may have to start looking for a new meeting place.

4. The membership list should be available at the February meeting. Mail your renewal form to our Treasurer, Jim, WB9UQT today!!! The 1994 program schedule will be in BSSS.

5. Steve, WB9RNL, will be talking with members interested in getting a club VE team together. So far Duane, KA9HKL and Bob WT9Q have volunteered to have a General Class license or higher to be on the team. Please volunteer your time.

6. There is a new BBS in the club area: N9UDO on 145.07 or landline on (608) 356-4777, 1200 baud or faster.

The following is the YTARC meeting schedule for 1994.

Jan. 18	Canceled due to cold weather.
Feb. 16	EC Peter Sweeney, Sauk County. Open house/classes introduction.
Mar. 17	Weather net info Computers in the ham shack.
Apr. 19	Antenna workshop. Fox Hunt antennas.
May 18	Fox Hunt
Jun. 16	Field Day & HF contesting.
Jul. 19	VHF contesting.
Aug. 17	Fox Hunt
Sep. 15	ELECTIONS
Oct. 18	ATV (amateur television).
Nov. 16	Packet radio and computers.
Dec. 15	CHRISTMAS PARTY (date subject to change)

All meetings will be at the Baraboo Civic Center, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

We would like to start the new ham radio classes in February. These will be introductory classes for the Novice and the NO-Code technician class of licenses. Depending on the student's home residence, classes may be in location other than Baraboo. Exams are scheduled for April 12, 1994, in Madison for the class attendees. Other exam sites are also available.

The club officers for 1994 are:

President	Bob Sauvan, WT9Q 643-8152(Home) 643-8488(Work)
Vice President	Bill Klinkner, N9KXX 643-6453(Home) 643-6908(Work)
Secretary	Raymond Matlosz, N9MLZ
Treasurer	Jim Decker, WB9UQT

# AUCTION!

February 22, 1994 • 7 p.m.

American Legion Post 53 • 634 Water St.  
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DOORS OPEN AT 6 P.M.

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For more information, contact Steve Hart, KA9OMC, Route 1, Box 54, Knapp, WI 54749 (715) 865-2374

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November 6, 1994

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HAMFEST INFO:

Dan Vanevenhoven, N9LVS  
2410 E. Newberry Ct.  
Appleton, WI 54915  
414-739-5101

EXAM INFO:

Larry Siebers, KD9IA  
414-788-3823

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& Computer Swapfest

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For more information, call:

Ron, W59X: 414-793-4733 (Nights)  
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**CWRA SWAPFEST**

Sunday, June 12, 1994 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA 715-344-2984  
3356 April Lane Stevens Point, WI 54481

**EAU CLAIRE  
AMATEUR RADIO CLUB**

**SWAPFEST**

**July 23, 1994**

Chippewa Falls Fairgrounds

Mike Ceraso, N9JMA 2432 Shafer Road  
(715) 723-9205 Eau Claire, WI 54729

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Ozaukee Radio Club

**15TH ANNUAL RADIO AND  
COMPUTER SWAPFEST**

**Saturday, May 1, 1993**

8 a.m. to 1 p.m. • Circle B Recreation Center

Intersection of Highway 60 and County I

Exams by Badger Examiners, c/o Gary Sharbuno,

5119 W. Willow Rd., Brown Deer, WI 53223

Swapfest sponsored by Ozaukee Radio Club

11448 N. Laguna Drive • Mequon, WI 53092

Kettle Moraine Radio Amateurs

**SWAPFEST**

**Sunday, October 9, 1994**

Waukesha County Expo Center

Info: KMRA Swapfest P.O. Box 411  
Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

**AUCTION**

**February 22, 1994 • 7:00 p.m.**

American Legion Post 53 • 634 Water Street

Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC  
Route 1 Box 54

715-665-2374  
Knapp, WI 54749

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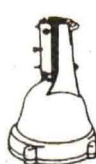
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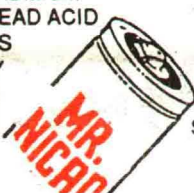
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